

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C09 DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; COMPOSITIONS NOT OTHERWISE PROVIDED FOR; APPLICATIONS OF MATERIALS NOT OTHERWISE PROVIDED FOR

C09J ADHESIVES; NON-MECHANICAL ASPECTS OF ADHESIVE PROCESSES IN GENERAL; ADHESIVE PROCESSES NOT PROVIDED FOR ELSEWHERE; USE OF MATERIALS AS ADHESIVES ([preparation of glue or gelatine C09H](#))

NOTES

- In this subclass, the following terms or expressions are used with the meanings indicated:
 - "use of materials as adhesives" means the use of known or new polymers or products;
 - "rubber" includes:
 - natural or conjugated diene rubbers;
 - rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, [see](#) the group provided for adhesives based on such macromolecular compounds);
 - "based on" is defined by means of Note (3), below.
- In this subclass, adhesives containing specific macromolecular substances are classified only according to the macromolecular substance, non-macromolecular substances not being taken into account.
 - Example: an adhesive containing polyethene and amino-propyltrimethoxysilane is classified in group [C09J 123/06](#).
 - However, adhesives containing combinations of organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond with prepolymers or polymers other than unsaturated polymers of groups [C09J 159/00](#) - [C09J 187/00](#) are classified according to the unsaturated non-macromolecular component in group [C09J 4/06](#).
 - Example: an adhesive containing polyethene and styrene monomer is classified in group [C09J 4/06](#).
 - Aspects relating to the physical nature of the adhesives or to the effects produced, as defined in group [C09J 9/00](#), if clearly and explicitly stated, are also classified in this subclass.
 - Adhesives characterised by other features, e.g. additives, are classified in group [C09J 11/00](#), unless the macromolecular constituent is specified.
- In this subclass, adhesives comprising two or more macromolecular constituents are classified according to the macromolecular constituent or constituents present in the highest proportion, i.e. the constituent on which the adhesive is based. If the adhesive is based on two or more constituents, present in equal proportions, the adhesive is classified according to each of these constituents.
 - Example: An adhesive containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in group [C09J 123/06](#). An adhesive containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups [C09J 123/06](#) and [C09J 127/06](#).
- {In groups [C09D 101/00](#) - [C09D 201/00](#), any macromolecular constituent of a coating composition which is not identified by the classification according to Note (3) after the title of subclass [C09D](#), and the use of which is determined to be novel and non-obvious, must also be classified in a group chosen from groups [C09D 101/00](#) - [C09D 201/00](#). ". This Note corresponds to IPC Note (1) relating to [C09J 101/00](#) - [C09J 201/00](#). }
- {Any macromolecular constituent of an adhesive composition which is not identified by the classification according to Note (3) after the title of subclass [C09J](#) or Note (4) above, and which is considered to represent information of interest for search, may also be classified in a group chosen from groups [C09J 101/00](#) - [C09J 201/00](#). This can, for example, be the case when it is considered of interest to enable searching of adhesive compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information". This Note corresponds to IPC Note (2) relating to [C09J 101/00](#) - [C09J 201/00](#). }
- {In groups [C09J 165/00](#) - [C09J 185/00](#), in the absence of an indication to the contrary, adhesives based on macromolecular compounds obtained by reactions forming two different linkages in the main chain are classified only according to the linkage present in excess.
This Note corresponds to IPC Note (1) relating to [C09J 165/00](#) - [C09J 185/00](#). }
- {An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09J 123/06](#) and [C08K 5/544](#). }
- {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#). }

C09J

C09J

(continued)

9. {In addition to Note (8), [C08L 2666/00](#) indexing codes were used for C-Sets classification of documents before April 2012 (see also C-Sets search rules in [C08L](#), [C09D](#) and in the [C09J](#) definition).}

WARNINGS

1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:
- | | | |
|---|------------|-----------------------------|
| C09J 4/02 | covered by | C09J 4/00 |
| C09J 4/04 | covered by | C09J 4/00 |
| C09J 161/08 - C09J 161/10 | covered by | C09J 161/06 |
| C09J 163/02 | covered by | C09J 163/00 |
| C09J 183/05 | covered by | C09J 183/04 |
| C09J 183/07 | covered by | C09J 183/04 |
2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

1/00 Adhesives based on inorganic constituents

- 1/02 . containing water-soluble alkali silicates

7/10

- . without carriers

WARNING

Group [C09J 7/10](#) is incomplete pending reclassification of documents from group [C09J 7/00](#).

Groups [C09J 7/00](#) and [C09J 7/10](#) should be considered in order to perform a complete search.

4/00 Adhesives based on organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond {; adhesives, based on monomers of macromolecular compounds of groups [C09J 183/00](#) - [C09J 183/16](#)}

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 4/06 . {Organic non-macromolecular compounds having at least one polymerisable carbon-to-carbon unsaturated bond} in combination with a macromolecular compound other than an unsaturated polymer of groups [C09J 159/00](#) - [C09J 187/00](#)

7/20

- . characterised by their carriers

7/201

- . . {characterised by the release coating composition on the carrier layer}

7/203

- . . {characterised by the structure of the release feature on the carrier layer}

7/205

- . . {characterised by the backing impregnating composition}

7/21

- . . Paper; Textile fabrics

7/22

- . . Plastics; Metallised plastics

WARNING

Group [C09J 7/22](#) is incomplete pending reclassification of documents from groups [C09J 7/28](#) and [C09J 7/29](#).

Groups [C09J 7/28](#), [C09J 7/29](#), and [C09J 7/22](#) should be considered in order to perform a complete search.

5/00 Adhesive processes in general; Adhesive processes not provided for elsewhere, e.g. relating to primers

- 5/02 . involving pretreatment of the surfaces to be joined
- 5/04 . involving separate application of adhesive ingredients to the different surfaces to be joined
- 5/06 . involving heating of the applied adhesive
- 5/08 . using foamed adhesives
- 5/10 . Joining materials by welding overlapping edges with an insertion of plastic material

7/24

- . . . based on macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

7/241

- {Polyolefin, e.g. rubber}

7/243

- {Ethylene or propylene polymers}

7/245

- {Vinyl resins, e.g. polyvinyl chloride [PVC]}

7/25

- . . . based on macromolecular compounds obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds

7/00 Adhesives in the form of films or foils

NOTE

{In this group, the indexing codes [C09J 2203/00](#) - [C09J 2499/008](#) are used.}

7/255

- {Polyesters}

7/26

- . . . Porous or cellular plastics

7/28

- . . Metal sheet (metallised plastics [C09J 7/22](#))

WARNING

Group [C09J 7/28](#) is impacted by reclassification into group [C09J 7/22](#).

Groups [C09J 7/28](#) and [C09J 7/22](#) should be considered in order to perform a complete search.

WARNING

Group [C09J 7/00](#) is impacted by reclassification into group [C09J 7/10](#).

Groups [C09J 7/00](#) and [C09J 7/10](#) should be considered in order to perform a complete search.

- 7/29 . . Laminated material ([metallised plastics C09J 7/22](#))
WARNING
 Group [C09J 7/29](#) is impacted by reclassification into group [C09J 7/22](#).
 Groups [C09J 7/29](#) and [C09J 7/22](#) should be considered in order to perform a complete search.
- 7/30 . characterised by the adhesive composition
- 7/32 . . Water-activated {adhesive}, e.g. for gummed paper
- 7/35 . . Heat-activated
- 7/38 . . Pressure-sensitive adhesives [PSA]
- 7/381 . . . {based on macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds}
- 7/383 {Natural or synthetic rubber}
- 7/385 {Acrylic polymers}
- 7/387 {Block-copolymers}
- 7/40 . characterised by release liners
- 7/401 . . {characterised by the release coating composition}
- 7/403 . . {characterised by the structure of the release feature}
- 7/405 . . {characterised by the substrate of the release liner}
- 7/50 . characterised by a primer layer between the carrier and the adhesive
- 9/00 Adhesives characterised by their physical nature or the effects produced, e.g. glue sticks ([C09J 7/00](#) takes precedence)**
- 9/005 . {Glue sticks}
- 9/02 . Electrically-conducting adhesives
- 11/00 Features of adhesives not provided for in group [C09J 9/00](#), e.g. additives**
- 11/02 . Non-macromolecular additives
- 11/04 . . inorganic
- 11/06 . . organic
- 11/08 . Macromolecular additives

Adhesives based on polysaccharides or on their derivatives

- 101/00 Adhesives based on cellulose, modified cellulose, or cellulose derivatives**
NOTE
 {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 101/02 . Cellulose; Modified cellulose
- 101/04 . . Oxycellulose; Hydrocellulose
- 101/06 . . Cellulose hydrate
- 101/08 . Cellulose derivatives
- 101/10 . . Esters of organic acids (of both organic acids and inorganic acids [C09J 101/20](#))
- 101/12 . . . Cellulose acetate
- 101/14 . . . Mixed esters, e.g. cellulose acetate-butyrate
- 101/16 . . Esters of inorganic acids (of both organic acids and inorganic acids [C09J 101/20](#))
- 101/18 . . . Cellulose nitrate

- 101/20 . . Esters of both organic acids and inorganic acids
- 101/22 . . Cellulose xanthate
- 101/24 . . . Viscose
- 101/26 . . Cellulose ethers
- 101/28 . . . Alkyl ethers
- 101/282 {with halogen-substituted hydrocarbon radicals}
- 101/284 {with hydroxylated hydrocarbon radicals}
- 101/286 {substituted with acid radicals ([C09J 101/282](#) takes precedence)}
- 101/288 {substituted with nitrogen containing radicals}
- 101/30 . . . Aryl ethers; Aralkyl ethers
- 101/32 . . Cellulose ether-esters
- 103/00 Adhesives based on starch, amylose or amylopectin or on their derivatives or degradation products**
NOTE
 {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 103/02 . Starch; Degradation products thereof, e.g. dextrin
- 103/04 . Starch derivatives
- 103/06 . . Esters
- 103/08 . . Ethers
- 103/10 . . Oxidised starch
- 103/12 . Amylose; Amylopectin; Degradation products thereof
- 103/14 . Amylose derivatives; Amylopectin derivatives
- 103/16 . . Esters
- 103/18 . . Ethers
- 103/20 . . Oxidised amylose; Oxidised amylopectin
- 105/00 Adhesives based on polysaccharides or on their derivatives, not provided for in groups [C09J 101/00](#) or [C09J 103/00](#)**
NOTE
 {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 105/02 . Dextran; Derivatives thereof
- 105/04 . Alginic acid; Derivatives thereof
- 105/06 . Pectin; Derivatives thereof
- 105/08 . Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
- 105/10 . Heparin; Derivatives thereof
- 105/12 . Agar-agar; Derivatives thereof
- 105/14 . Hemicellulose; Derivatives thereof
- 105/16 . Cyclodextrin; Derivatives thereof

Adhesives based on rubbers or on their derivatives

- 107/00 Adhesives based on natural rubber**
NOTE
 {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 107/02 . Latex
- 109/00 Adhesives based on homopolymers or copolymers of conjugated diene hydrocarbons**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 109/02 . Copolymers with acrylonitrile
- 109/04 . . Latex
- 109/06 . Copolymers with styrene
- 109/08 . . Latex
- 109/10 . Latex ([C09J 109/04](#), [C09J 109/08](#) take precedence)
- 111/00 Adhesives based on homopolymers or copolymers of chloroprene**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 111/02 . Latex
- 113/00 Adhesives based on rubbers containing carboxyl groups**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 113/02 . Latex
- 115/00 Adhesives based on rubber derivatives**
([C09J 111/00](#), [C09J 113/00](#) take precedence)
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 115/005 . {Hydrogenated nitrile rubber}
- 115/02 . Rubber derivatives containing halogen
- 117/00 Adhesives based on reclaimed rubber**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 119/00 Adhesives based on rubbers, not provided for in groups [C09J 107/00](#) - [C09J 117/00](#)**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 119/003 . {Precrosslinked rubber; Scrap rubber; Used vulcanised rubber}

- 119/006 . {Rubber characterised by functional groups, e.g. telechelic diene polymers}
- 119/02 . Latex
- 121/00 Adhesives based on unspecified rubbers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 121/02 . Latex

Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds

- 123/00 Adhesives based on homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 123/02 . not modified by chemical after-treatment
- 123/025 . . {Copolymer of an unspecified olefine with a monomer other than an olefine}
- 123/04 . . Homopolymers or copolymers of ethene
- 123/06 . . . Polyethene
- 123/08 . . . Copolymers of ethene ([C09J 123/16](#) takes precedence)
- 123/0807 {Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms}
- 123/0815 {Copolymers of ethene with aliphatic 1-olefins}
- 123/0823 {Copolymers of ethene with aliphatic cyclic olefins}
- 123/083 {Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond}
- 123/0838 {Copolymers of ethene with aromatic monomers}
- 123/0846 {Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms}
- 123/0853 {Vinylacetate}
- 123/0861 {Saponified vinylacetate}
- 123/0869 {Acids or derivatives thereof}
- 123/0876 {Neutralised polymers, i.e. ionomers}
- 123/0884 {Epoxide containing esters}
- 123/0892 {containing monomers with other atoms than carbon, hydrogen or oxygen atoms}
- 123/10 . . Homopolymers or copolymers of propene
- 123/12 . . . Polypropene
- 123/14 . . . Copolymers of propene ([C09J 123/16](#) takes precedence)
- 123/142 {at least partially crystalline copolymers of propene with other olefins}
- 123/145 {Copolymers of propene with monomers having more than one C=C double bond}

123/147	. . . . {Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms}		construction and the associated syntax rules are found in the Definitions of C09J }
123/16	. . {Elastomeric} ethene-propene or ethene-propene-diene copolymers, {e.g. EPR and EPDM rubbers}	127/02	. not modified by chemical after-treatment
	NOTE	127/04	. . containing chlorine atoms
	This group is used for polymers comprising both ethylene and propylene	127/06	. . . Homopolymers or copolymers of vinyl chloride
123/18	. . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms	127/08	. . . Homopolymers or copolymers of vinylidene chloride
123/20	. . . having four to nine carbon atoms	127/10	. . containing bromine or iodine atoms
123/22	. . . . Copolymers of isobutene; Butyl rubber {Homo- or copolymers of other iso-olefines}	127/12	. . containing fluorine atoms
123/24	. . . having ten or more carbon atoms	127/14	. . . Homopolymers or copolymers of vinyl fluoride
123/26	. modified by chemical after-treatment	127/16	. . . Homopolymers or copolymers of vinylidene fluoride
123/28	. . by reaction with halogens or compounds containing halogen (C09J 123/32 takes precedence)	127/18	. . . Homopolymers or copolymers of tetrafluoroethene
123/283	. . . {Halogenated homo- or copolymers of iso-olefines}	127/20	. . . Homopolymers or copolymers of hexafluoropropene
123/286	. . . {Chlorinated polyethylene}	127/22	. modified by chemical after-treatment
123/30	. . by oxidation	127/24	. . halogenated
123/32	. . by reaction with compounds containing phosphorus or sulfur	129/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an alcohol, ether, aldehydo, ketonic, acetal, or ketal radical; Adhesives based on hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Adhesives based on derivatives of such polymers
123/34	. . . by chlorosulfonation		NOTE
123/36	. . by reaction with compounds containing nitrogen, e.g. by nitration		{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J }
125/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an aromatic carbocyclic ring; Adhesives based on derivatives of such polymers		
	NOTE	129/02	. Homopolymers or copolymers of unsaturated alcohols (C09J 129/14 takes precedence)
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J }	129/04	. . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids
125/02	. Homopolymers or copolymers of hydrocarbons	129/06	. . Copolymers of allyl alcohol
125/04	. . Homopolymers or copolymers of styrene	129/08	. . . with vinyl aromatic monomers
125/06	. . . Polystyrene	129/10	. Homopolymers or copolymers of unsaturated ethers (C09J 135/08 takes precedence)
125/08	. . . Copolymers of styrene (C09J 129/08 , C09J 135/06 , C09J 155/02 take precedence)	129/12	. Homopolymers or copolymers of unsaturated ketones
125/10	. . . . with conjugated dienes	129/14	. Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols
125/12	. . . . with unsaturated nitriles		
125/14	. . . . with unsaturated esters	131/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by an acyloxy radical of a saturated carboxylic acid, of carbonic acid, or of a haloformic acid (based on hydrolysed polymers C09J 129/00); Adhesives based on derivatives of such polymers
125/16	. . Homopolymers or copolymers of alkyl-substituted styrenes		NOTE
125/18	. Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen		{In this group, C-Sets are used for classification. The detailed information about the C-Sets
127/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a halogen; Adhesives based on derivatives of such polymers		
	NOTE		
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets		

C09J 131/00 (continued)	construction and the associated syntax rules are found in the Definitions of C09J }
131/02	. Homopolymers or copolymers of esters of monocarboxylic acids
131/04	. . Homopolymers or copolymers of vinyl acetate
131/06	. Homopolymers or copolymers of esters of polycarboxylic acids
131/08	. . of phthalic acid
133/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by only one carboxyl radical, or of salts, anhydrides, esters, amides, imides, or nitriles thereof; Adhesives based on derivatives of such polymers
	NOTE {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J }
133/02	. Homopolymers or copolymers of acids; Metal or ammonium salts thereof
133/04	. Homopolymers or copolymers of esters { (C09J 143/04 takes precedence) }
133/06	. . of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical
133/062	. . . {Copolymers with monomers not covered by C09J 133/06 }
133/064	. . . . {containing anhydride, COOH or COOM groups, with M being metal or onium-cation}
133/066	. . . . {containing -OH groups}
133/068	. . . . {containing glycidyl groups}
133/08	. . . Homopolymers or copolymers of acrylic acid esters
133/10	. . . Homopolymers or copolymers of methacrylic acid esters
133/12	. . . . Homopolymers or copolymers of methyl methacrylate
133/14	. . of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen
133/16	. . . Homopolymers or copolymers of esters containing halogen atoms
133/18	. Homopolymers or copolymers of nitriles
133/20	. . Homopolymers or copolymers of acrylonitrile (C09J 155/02 takes precedence)
133/22	. . Homopolymers or copolymers of nitriles containing four or more carbon atoms
133/24	. Homopolymers or copolymers of amides or imides
133/26	. . Homopolymers or copolymers of acrylamide or methacrylamide

135/00 **Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a carboxyl radical, and containing at least another carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Adhesives based on derivatives of such polymers**

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

135/02	. Homopolymers or copolymers of esters (C09J 135/06, C09J 135/08 take precedence)
135/04	. Homopolymers or copolymers of nitriles (C09J 135/06, C09J 135/08 take precedence)
135/06	. Copolymers with vinyl aromatic monomers
135/08	. Copolymers with vinyl ethers
137/00	Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a heterocyclic ring containing oxygen (based on polymers of cyclic esters of polyfunctional acids C09J 131/00; based on polymers of cyclic anhydrides of unsaturated acids C09J 135/00); Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

139/00 **Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a single or double bond to nitrogen or by a heterocyclic ring containing nitrogen; Adhesives based on derivatives of such polymers**

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

139/02	. Homopolymers or copolymers of vinylamine
139/04	. Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
139/06	. . Homopolymers or copolymers of N-vinyl-pyrrolidones
139/08	. . Homopolymers or copolymers of vinyl-pyridine

141/00 Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and at least one being terminated by a bond to sulfur or by a heterocyclic ring containing sulfur; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

143/00 Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and containing boron, silicon, phosphorus, selenium, tellurium, or a metal; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

143/02 . Homopolymers or copolymers of monomers containing phosphorus

143/04 . Homopolymers or copolymers of monomers containing silicon

145/00 Adhesives based on homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic system; Adhesives based on derivatives of such polymers (based on polymers of cyclic esters of polyfunctional acids [C09J 131/00](#); based on polymers of cyclic anhydrides or imides [C09J 135/00](#))

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

145/02 . Coumarone-indene polymers

147/00 Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Adhesives based on derivatives of such polymers ([C09J 145/00](#) takes precedence; based on conjugated diene rubbers [C09J 109/00](#) - [C09J 121/00](#))

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

149/00 Adhesives based on homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

151/00 Adhesives based on graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (based on ABS polymers [C09J 155/02](#)); Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

151/003 . {grafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds ([C09J 151/04](#), [C09J 151/06](#) take precedence)}

151/006 . {grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}

151/02 . grafted on to polysaccharides

151/04 . grafted on to rubbers

151/06 . grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond

151/08 . grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds

151/085 . . {on to polysiloxanes}

151/10 . grafted on to inorganic materials

153/00 Adhesives based on block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

153/005 . {Modified block copolymers}

153/02 . Vinyl aromatic monomers and conjugated dienes

153/025 . . {modified}

155/00 Adhesives based on homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups [C09J 123/00](#) - [C09J 153/00](#)

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

155/005	<ul style="list-style-type: none"> {Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond} 	161/22	<ul style="list-style-type: none"> . . of aldehydes with acyclic or carbocyclic compounds
155/02	<ul style="list-style-type: none"> ABS [Acrylonitrile-Butadiene-Styrene] polymers 	161/24	<ul style="list-style-type: none"> . . . with urea or thiourea
155/04	<ul style="list-style-type: none"> Polyadducts obtained by the diene synthesis 	161/26	<ul style="list-style-type: none"> . . of aldehydes with heterocyclic compounds
157/00	Adhesives based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds	161/28	<ul style="list-style-type: none"> . . . with melamine
NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>	161/30	<ul style="list-style-type: none"> . . of aldehydes with heterocyclic and acyclic or carbocyclic compounds
157/02	<ul style="list-style-type: none"> Copolymers of mineral oil hydrocarbons 	161/32	<ul style="list-style-type: none"> . . Modified amine-aldehyde condensates
157/04	<ul style="list-style-type: none"> Copolymers in which only the monomer in minority is defined 	161/34	<ul style="list-style-type: none"> Condensation polymers of aldehydes or ketones with monomers covered by at least two of the groups C09J 161/04, C09J 161/18 and C09J 161/20
157/06	<ul style="list-style-type: none"> Homopolymers or copolymers containing elements other than carbon and hydrogen 	163/00	Adhesives based on epoxy resins; Adhesives based on derivatives of epoxy resins
157/08	<ul style="list-style-type: none"> . . containing halogen atoms 	NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>
157/10	<ul style="list-style-type: none"> . . containing oxygen atoms 	163/04	<ul style="list-style-type: none"> Epoxy novolacs
157/12	<ul style="list-style-type: none"> . . containing nitrogen atoms 	163/06	<ul style="list-style-type: none"> Triglycidylisocyanurates
Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds		163/08	<ul style="list-style-type: none"> Epoxydised polymerised polyenes
159/00	Adhesives based on polyacetals; Adhesives based on derivatives of polyacetals	163/10	<ul style="list-style-type: none"> Epoxy resins modified by unsaturated compounds
NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>	165/00	Adhesives based on macromolecular compounds obtained by reactions forming a carbon-to-carbon link in the main chain (C09J 107/00 - C09J 157/00, C09J 161/00 take precedence); Adhesives based on derivatives of such polymers
159/02	<ul style="list-style-type: none"> Polyacetals containing polyoxymethylene sequences only 	NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>
159/04	<ul style="list-style-type: none"> Copolyoxymethylenes 	165/02	<ul style="list-style-type: none"> Polyphenylenes
161/00	Adhesives based on condensation polymers of aldehydes or ketones (with polyalcohols C09J 159/00; with polynitriles C09J 177/00); Adhesives based on derivatives of such polymers	165/04	<ul style="list-style-type: none"> Polyxylylenes
NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>	167/00	Adhesives based on polyesters obtained by reactions forming a carboxylic ester link in the main chain (based on polyester-amides C09J 177/12; based on polyester-imides C09J 179/08); Adhesives based on derivatives of such polymers
161/02	<ul style="list-style-type: none"> Condensation polymers of aldehydes or ketones only 	NOTE	<p>{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}</p>
161/04	<ul style="list-style-type: none"> Condensation polymers of aldehydes or ketones with phenols only 	167/02	<ul style="list-style-type: none"> Polyesters derived from dicarboxylic acids and dihydroxy compounds (C09J 167/06 takes precedence)
161/06	<ul style="list-style-type: none"> . . of aldehydes with phenols 	167/025	<ul style="list-style-type: none"> . . {containing polyether sequences}
161/12	<ul style="list-style-type: none"> . . . with polyhydric phenols 	167/03	<ul style="list-style-type: none"> . . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings
161/14	<ul style="list-style-type: none"> . . . Modified phenol-aldehyde condensates 	167/04	<ul style="list-style-type: none"> Polyesters derived from hydroxycarboxylic acids, e.g. lactones (C09J 167/06 takes precedence)
161/16	<ul style="list-style-type: none"> . . of ketones with phenols 	167/06	<ul style="list-style-type: none"> Unsaturated polyesters having carbon-to-carbon unsaturation
161/18	<ul style="list-style-type: none"> Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only 	167/07	<ul style="list-style-type: none"> . . having terminal carbon-to-carbon unsaturated bonds
161/20	<ul style="list-style-type: none"> Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols C09J 161/04) 		

- 167/08 . Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids
- 169/00 Adhesives based on polycarbonates; Adhesives based on derivatives of polycarbonates**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 169/005 . {Polyester-carbonates}
- 171/00 Adhesives based on polyethers obtained by reactions forming an ether link in the main chain (based on polyacetals [C09J 159/00](#); based on epoxy resins [C09J 163/00](#); based on polythioether-ethers [C09J 181/02](#); based on polyethersulfones [C09J 181/06](#)); Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 171/02 . Polyalkylene oxides
- 171/03 . . Polyepihalohydrins
- 171/08 . Polyethers derived from hydroxy compounds or from their metallic derivatives ([C09J 171/02](#) takes precedence)
- 171/10 . . from phenols
- 171/12 . . . Polyphenylene oxides
- 171/14 . . Furfuryl alcohol polymers
- 173/00 Adhesives based on macromolecular compounds obtained by reactions forming a linkage containing oxygen or oxygen and carbon in the main chain, not provided for in groups [C09J 159/00](#) - [C09J 171/00](#); Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 173/02 . Polyanhydrides
- 175/00 Adhesives based on polyureas or polyurethanes; Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 175/02 . Polyureas
- 175/04 . Polyurethanes
- 175/06 . . from polyesters
- 175/08 . . from polyethers
- 175/10 . . from polyacetals
- 175/12 . . from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group

- 175/14 . . Polyurethanes having carbon-to-carbon unsaturated bonds
- 175/16 . . . having terminal carbon-to-carbon unsaturated bonds
- 177/00 Adhesives based on polyamides obtained by reactions forming a carboxylic amide link in the main chain (based on polyhydrazides [C09J 179/06](#); based on polyamide-imides [C09J 179/08](#)); Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 177/02 . Polyamides derived from omega-amino carboxylic acids or from lactams thereof ([C09J 177/10](#) takes precedence)
- 177/04 . Polyamides derived from alpha-amino carboxylic acids ([C09J 177/10](#) takes precedence)
- 177/06 . Polyamides derived from polyamines and polycarboxylic acids ([C09J 177/10](#) takes precedence)
- 177/08 . . from polyamines and polymerised unsaturated fatty acids
- 177/10 . Polyamides derived from aromatically bound amino and carboxyl groups of amino carboxylic acids or of polyamines and polycarboxylic acids
- 177/12 . Polyester-amides
- 179/00 Adhesives based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing nitrogen, with or without oxygen, or carbon only, not provided for in groups [C09J 161/00](#) - [C09J 177/00](#)**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}
- 179/02 . Polyamines
- 179/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors
- 179/06 . . Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles
- 179/08 . . Polyimides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors
- 179/085 . . . {Unsaturated polyimide precursors}
- 181/00 Adhesives based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing sulfur, with or without nitrogen, oxygen, or carbon only; Adhesives based on polysulfones; Adhesives based on derivatives of such polymers**
- NOTE**
- {In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 181/02 . Polythioethers; Polythioether-ethers
- 181/04 . Polysulfides
- 181/06 . Polysulfones; Polyethersulfones
- 181/08 . Polysulfonates
- 181/10 . Polysulfonamides; Polysulfonimides

183/00 Adhesives based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing silicon, with or without sulfur, nitrogen, oxygen, or carbon only; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 183/02 . Polysilicates
- 183/04 . Polysiloxanes
- 183/06 . . containing silicon bound to oxygen-containing groups ([C09J 183/12 takes precedence](#))
- 183/08 . . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen
- 183/10 . Block or graft copolymers containing polysiloxane sequences ([obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane C09J 151/08, C09J 153/00](#))
- 183/12 . . containing polyether sequences
- 183/14 . in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms ([C09J 183/10 takes precedence](#))
- 183/16 . in which all the silicon atoms are connected by linkages other than oxygen atoms

185/00 Adhesives based on macromolecular compounds obtained by reactions forming in the main chain of the macromolecule a linkage containing atoms other than silicon, sulfur, nitrogen, oxygen, and carbon; Adhesives based on derivatives of such polymers

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 185/02 . containing phosphorus
- 185/04 . containing boron

187/00 Adhesives based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 187/005 . {Block or graft polymers not provided for in groups [C09J 101/00 - C09J 185/04](#)}

Adhesives based on natural macromolecular compounds or on derivatives thereof (based on polysaccharides C09J 101/00 - C09J 105/00; based on natural rubber C09J 107/00)

189/00 Adhesives based on proteins; Adhesives based on derivatives thereof

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 189/005 . {Casein}
- 189/02 . Casein-aldehyde condensates
- 189/04 . Products derived from waste materials, e.g. horn, hoof or hair
- 189/06 . . derived from leather or skin

191/00 Adhesives based on oils, fats or waxes; Adhesives based on derivatives thereof

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 191/005 . {Drying oils}
- 191/02 . Vulcanised oils, e.g. factice
- 191/04 . Linosyn
- 191/06 . Waxes
- 191/08 . . Mineral waxes

193/00 Adhesives based on natural resins; Adhesives based on derivatives thereof

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 193/02 . Shellac
- 193/04 . Rosin

195/00 Adhesives based on bituminous materials, e.g. asphalt, tar, pitch

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

- 195/005 . {Aqueous compositions, e.g. emulsions}

197/00 Adhesives based on lignin-containing materials (based on polysaccharides C09J 101/00 - C09J 105/00)

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#)}

197/002	. {Peat, lignite, coal (briquettes C10L 5/00 ; working-up peat; ceramic products based on carbon or carbides)}	2301/10	. characterized by the structural features of the adhesive tape or sheet
197/005	. {Lignin}	2301/12	. . by the arrangement of layers
197/007	. {Cork}	2301/122	. . . the adhesive layer being present only on one side of the carrier, e.g. single-sided adhesive tape
197/02	. Lignocellulosic material, e.g. wood, straw or bagasse	2301/124	. . . the adhesive layer being present on both sides of the carrier, e.g. double-sided adhesive tape
199/00	Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 101/00 -C09J 107/00 or C09J 189/00 - C09J 197/00	2301/1242	. . . . the opposite adhesive layers being different
	NOTE	2301/16	. . by the structure of the carrier layer
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J }	2301/162	. . . the carrier being a laminate constituted by plastic layers only
201/00	Adhesives based on unspecified macromolecular compounds	2301/18	. . characterized by perforations in the adhesive tape
	NOTE	2301/20	. characterized by the structural features of the adhesive itself
	{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J }	2301/202	. . the adhesive being in the form of fibres
201/005	. {Dendritic macromolecules}	2301/204	. . the adhesive coating being discontinuous
201/02	. characterised by the presence of specified groups {, e.g. terminal or pendant functional groups}	2301/206	. . the adhesive layer comprising non-adhesive protrusions
201/025	. . {containing nitrogen atoms}	2301/208	. . the adhesive layer being constituted by at least two or more adjacent or superposed adhesive layers, e.g. multilayer adhesive
201/04	. . containing halogen atoms	2301/21	. . the adhesive layer being formed by alternating adhesive areas of different nature
201/06	. . containing oxygen atoms {(C09J 201/025 takes precedence)}	2301/30	. characterized by the chemical, physicochemical or physical properties of the adhesive or the carrier
201/08	. . . Carboxyl groups	2301/302	. . the adhesive being pressure-sensitive, i.e. tacky at temperatures inferior to 30°C
201/10	. . containing hydrolysable silane groups	2301/304	. . the adhesive being heat-activatable, i.e. not tacky at temperatures inferior to 30°C
		2301/306	. . the adhesive being water-activatable
		2301/308	. . the adhesive tape or sheet losing adhesive strength when being stretched, e.g. stretch adhesive
		2301/31	. . the adhesive effect being based on a Gecko structure
		2301/312	. . parameters being the characterizing feature
		2301/314	. . the adhesive layer and/or the carrier being conductive
2203/00	Applications of adhesives in processes or use of adhesives in the form of films or foils	2301/40	. characterized by the presence of essential components
2203/102	. in the form of dowels, anchors or cartridges	2301/408	. . additives as essential feature of the adhesive layer
2203/302	. for bundling cables	2301/41	. . additives as essential feature of the carrier layer
2203/306	. for protecting painted surfaces, e.g. of cars	2301/412	. . presence of microspheres
2203/31	. as a masking tape for painting	2301/414	. . presence of a copolymer
2203/314	. for carpets		NOTE
2203/318	. for the production of liquid crystal displays		This group is to be used in combination with combined indexing codes of C09J 2401/00 - C09J 2499/008 in case a copolymer is present but not a blend.
2203/322	. for the production of solar panels		
2203/326	. for bonding electronic components such as wafers, chips or semiconductors	2301/416	. . use of irradiation
2203/33	. for batteries or fuel cells	2301/50	. characterized by process specific features
2203/334	. as a label	2301/502	. . process for debonding adherents
2203/338	. as tamper-evident tape or label	2301/504	. . process of pretreatment for improving adhesion of rubber on metallic surfaces
2203/342	. for flying splice applications		
2203/346	. for building applications e.g. wrap foil	2400/00	Presence of inorganic and organic materials
2203/35	. for aeronautic or naval applications	2400/10	. Presence of inorganic materials
2203/354	. for automotive applications	2400/12	. . Ceramic
2203/358	. for garments and textiles	2400/123	. . . in the substrate
2203/362	. for the fabrication of shoes	2400/126	. . . in the pretreated surface to be joined
2203/366	. for mounting tapes	2400/14	. . Glass
2203/37	. for repositionable or removable tapes		
2301/00	Additional features of adhesives in the form of films or foils		

2400/143	. . . in the substrate
2400/146	. . . in the pretreated surface to be joined
2400/16	. . Metal
2400/163	. . . in the substrate
2400/166	. . . in the pretreated surface to be joined
2400/20	. Presence of organic materials
2400/22	. . Presence of unspecified polymer
2400/221	. . . in the barrier layer
2400/223	. . . in the primer coating
2400/225	. . . in the release coating
2400/226	. . . in the substrate
2400/228	. . . in the pretreated surface to be joined
2400/24	. . Presence of a foam
2400/243	. . . in the substrate
2400/246	. . . in the pretreated surface to be joined
2400/26	. . Presence of textile or fabric
2400/263	. . . in the substrate
2400/266	. . . in the pretreated surface to be joined
2400/28	. . Presence of paper
2400/283	. . . in the substrate
2400/286	. . . in the pretreated surface to be joined
2400/30	. . Presence of wood
2400/303	. . . in the substrate
2400/306	. . . in the pretreated surface to be joined

2401/00 Presence of cellulose

2401/001	. in the barrier layer
2401/003	. in the primer coating
2401/005	. in the release coating
2401/006	. in the substrate
2401/008	. in the pretreated surface to be joined

2403/00 Presence of starch

2403/001	. in the barrier layer
2403/003	. in the primer coating
2403/005	. in the release coating
2403/006	. in the substrate
2403/008	. in the pretreated surface to be joined

2405/00 Presence of polysaccharides

2405/001	. in the barrier layer
2405/003	. in the primer coating
2405/005	. in the release coating
2405/006	. in the substrate
2405/008	. in the pretreated surface to be joined

2407/00 Presence of natural rubber

2407/001	. in the barrier layer
2407/003	. in the primer coating
2407/005	. in the release coating
2407/006	. in the substrate
2407/008	. in the pretreated surface to be joined

2409/00 Presence of diene rubber

2409/001	. in the barrier layer
2409/003	. in the primer coating
2409/005	. in the release coating
2409/006	. in the substrate
2409/008	. in the pretreated surface to be joined

2411/00 Presence of chloroprene

2411/001	. in the barrier layer
2411/003	. in the primer coating
2411/005	. in the release coating

2411/006	. in the substrate
2411/008	. in the pretreated surface to be joined

2413/00 Presence of rubbers containing carboxyl groups

2413/001	. in the barrier layer
2413/003	. in the primer coating
2413/005	. in the release coating
2413/006	. in the substrate
2413/008	. in the pretreated surface to be joined

2415/00 Presence of rubber derivatives

2415/001	. in the barrier layer
2415/003	. in the primer coating
2415/005	. in the release coating
2415/006	. in the substrate
2415/008	. in the pretreated surface to be joined

2417/00 Presence of reclaimed rubber

2417/001	. in the barrier layer
2417/003	. in the primer coating
2417/005	. in the release coating
2417/006	. in the substrate
2417/008	. in the pretreated surface to be joined

2421/00 Presence of unspecified rubber

2421/001	. in the barrier layer
2421/003	. in the primer coating
2421/005	. in the release coating
2421/006	. in the substrate
2421/008	. in the pretreated surface to be joined

2423/00 Presence of polyolefin

2423/001	. in the barrier layer
2423/003	. in the primer coating
2423/005	. in the release coating
2423/006	. in the substrate
2423/008	. in the pretreated surface to be joined
2423/04	. Presence of homo or copolymers of ethene
2423/041	. . in the barrier layer
2423/043	. . in the primer coating
2423/045	. . in the release coating
2423/046	. . in the substrate
2423/048	. . in the pretreated surface to be joined
2423/10	. Presence of homo or copolymers of propene
2423/101	. . in the barrier layer
2423/103	. . in the primer coating
2423/105	. . in the release coating
2423/106	. . in the substrate
2423/108	. . in the pretreated surface to be joined
2423/16	. Presence of ethen-propene or ethene-propene-diene copolymers
2423/161	. . in the barrier layer
2423/163	. . in the primer coating
2423/165	. . in the release coating
2423/166	. . in the substrate
2423/168	. . in the pretreated surface to be joined

2425/00 Presence of styrenic polymer

2425/001	. in the barrier layer
2425/003	. in the primer coating
2425/005	. in the release coating
2425/006	. in the substrate
2425/008	. in the pretreated surface to be joined

2427/00 Presence of halogenated polymer

2427/001	• in the barrier layer	2463/005	• in the release coating
2427/003	• in the primer coating	2463/006	• in the substrate
2427/005	• in the release coating	2463/008	• in the pretreated surface to be joined
2427/006	• in the substrate		
2427/008	• in the pretreated surface to be joined		
2429/00	Presence of polyvinyl alcohol	2465/00	Presence of polyphenylene
2429/001	• in the barrier layer	2465/001	• in the barrier layer
2429/003	• in the primer coating	2465/003	• in the primer coating
2429/005	• in the release coating	2465/005	• in the release coating
2429/006	• in the substrate	2465/006	• in the substrate
2429/008	• in the pretreated surface to be joined	2465/008	• in the pretreated surface to be joined
2431/00	Presence of polyvinyl acetate	2467/00	Presence of polyester
2431/001	• in the barrier layer	2467/001	• in the barrier layer
2431/003	• in the primer coating	2467/003	• in the primer coating
2431/005	• in the release coating	2467/005	• in the release coating
2431/006	• in the substrate	2467/006	• in the substrate
2431/008	• in the pretreated surface to be joined	2467/008	• in the pretreated surface to be joined
2433/00	Presence of (meth)acrylic polymer	2469/00	Presence of polycarbonate
2433/001	• in the barrier layer	2469/001	• in the barrier layer
2433/003	• in the primer coating	2469/003	• in the primer coating
2433/005	• in the release coating	2469/005	• in the release coating
2433/006	• in the substrate	2469/006	• in the substrate
2433/008	• in the pretreated surface to be joined	2469/008	• in the pretreated surface to be joined
2451/00	Presence of graft polymer	2471/00	Presence of polyether
2451/001	• in the barrier layer	2471/001	• in the barrier layer
2451/003	• in the primer coating	2471/003	• in the primer coating
2451/005	• in the release coating	2471/005	• in the release coating
2451/006	• in the substrate	2471/006	• in the substrate
2451/008	• in the pretreated surface to be joined	2471/008	• in the pretreated surface to be joined
2453/00	Presence of block copolymer	2475/00	Presence of polyurethane
2453/001	• in the barrier layer	2475/001	• in the barrier layer
2453/003	• in the primer coating	2475/003	• in the primer coating
2453/005	• in the release coating	2475/005	• in the release coating
2453/006	• in the substrate	2475/006	• in the substrate
2453/008	• in the pretreated surface to be joined	2475/008	• in the pretreated surface to be joined
2455/00	Presence of ABS	2477/00	Presence of polyamide
2455/001	• in the barrier layer	2477/001	• in the barrier layer
2455/003	• in the primer coating	2477/003	• in the primer coating
2455/005	• in the release coating	2477/005	• in the release coating
2455/006	• in the substrate	2477/006	• in the substrate
2455/008	• in the pretreated surface to be joined	2477/008	• in the pretreated surface to be joined
2459/00	Presence of polyacetal	2479/00	Presence of polyamine or polyimide
2459/001	• in the barrier layer	2479/02	• polyamine
2459/003	• in the primer coating	2479/021	• • in the barrier layer
2459/005	• in the release coating	2479/023	• • in the primer coating
2459/006	• in the substrate	2479/025	• • in the release coating
2459/008	• in the pretreated surface to be joined	2479/026	• • in the substrate
		2479/028	• • in the pretreated surface to be joined
2461/00	Presence of condensation polymers of aldehydes or ketones	2479/08	• polyimide
2461/001	• in the barrier layer	2479/081	• • in the barrier layer
2461/003	• in the primer coating	2479/083	• • in the primer coating
2461/005	• in the release coating	2479/085	• • in the release coating
2461/006	• in the substrate	2479/086	• • in the substrate
2461/008	• in the pretreated surface to be joined	2479/088	• • in the pretreated surface to be joined
2463/00	Presence of epoxy resin	2481/00	Presence of sulfur containing polymers
2463/001	• in the barrier layer	2481/001	• in the barrier layer
2463/003	• in the primer coating	2481/003	• in the primer coating
		2481/005	• in the release coating
		2481/006	• in the substrate

2481/008 . in the pretreated surface to be joined

2483/00 Presence of polysiloxane

2483/001 . in the barrier layer
 2483/003 . in the primer coating
 2483/005 . in the release coating
 2483/006 . in the substrate
 2483/008 . in the pretreated surface to be joined

2489/00 Presence of protein

2489/001 . in the barrier layer
 2489/003 . in the primer coating
 2489/005 . in the release coating
 2489/006 . in the substrate
 2489/008 . in the pretreated surface to be joined

2491/00 Presence of oils, fats or waxes

2491/001 . in the barrier layer
 2491/003 . in the primer coating
 2491/005 . in the release coating
 2491/006 . in the substrate
 2491/008 . in the pretreated surface to be joined

2493/00 Presence of natural resin

2493/001 . in the barrier layer
 2493/003 . in the primer coating
 2493/005 . in the release coating
 2493/006 . in the substrate
 2493/008 . in the pretreated surface to be joined

2495/00 Presence of bitume

2495/001 . in the barrier layer
 2495/003 . in the primer coating
 2495/005 . in the release coating
 2495/006 . in the substrate
 2495/008 . in the pretreated surface to be joined

2497/00 Presence of lignin

2497/001 . in the barrier layer
 2497/003 . in the primer coating
 2497/005 . in the release coating
 2497/006 . in the substrate
 2497/008 . in the pretreated surface to be joined

2499/00 Presence of natural macromolecular compounds or on derivatives thereof, not provided for in groups [C09J 2489/00](#) - [C09J 2497/00](#)

2499/001 . in the barrier layer
 2499/003 . in the primer coating
 2499/005 . in the release coating
 2499/006 . in the substrate
 2499/008 . in the pretreated surface to be joined