

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C09 DYES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; MISCELLANEOUS COMPOSITIONS; MISCELLANEOUS APPLICATIONS OF MATERIALS

C09J ADHESIVES; NON-MECHANICAL ASPECTS OF ADHESIVE PROCESSES IN GENERAL; ADHESIVE PROCESSES NOT PROVIDED FOR ELSEWHERE; USE OF MATERIALS AS ADHESIVES (surgical adhesives [A61L 24/00](#); processes for applying liquids or other fluent materials to surfaces in general [B05D](#); adhesives on the basis of non specified organic macromolecular compounds used as bonding agents in layered products [B32B](#); organic labelling fabrics or comparable materials or articles with deformable surface using adhesives and thermo-activatable adhesives respectively [B65C 5/02](#), [B65C 5/04](#); organic macromolecular compounds [C08](#); production of multi-layer textile fabrics [D06M 17/00](#); preparation of glue or gelatine [C09H](#); adhesive labels, tag tickets or similar identification of indication means [G09F 3/10](#))

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 polyethylene 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 4/00](#).

Example: an adhesive containing polyethylene 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.

Examples: An adhesive containing 80 parts of polyethylene and 20 parts of polyvinylchloride is classified in group [C09J 123/06](#); An adhesive containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups [C09J 123/06](#) and [C09J 127/06](#).
 - An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09J 123/06](#) and [C08K 5/544](#).
 - Documents classified up until 09-2003: Classification is given in the form of C-Sets. The polymer in majority is given a [C09J 101/00](#) - [C09J 201/10](#) symbol, and the minor components are characterised by Indexing Codes taken from the list below. The Indexing Codes are linked. The polymer in majority is always first in the C-set.

List of [C08L](#) codes: [C08L 23/00](#), [C08L 23/26](#), [C08L 25/00](#), [C08L 27/00](#), [C08L 27/04](#), [C08L 27/12](#), [C08L 29/00](#), [C08L 31/00](#), [C08L 33/00](#), [C08L 35/00](#), [C08L 37/00](#), [C08L 51/00](#), [C08L 53/00](#), [C08L 55/02](#), [C08L 61/04](#), [C08L 61/20](#), [C08L 63/00](#), [C08L 67/00](#), [C08L 67/02](#), [C08L 67/025](#), [C08L 67/03](#), [C08L 67/04](#), [C08L 67/06](#), [C08L 67/07](#), [C08L 69/00](#), [C08L 69/005](#), [C08L 71/00](#), [C08L 75/04](#), [C08L 77/00](#), [C08L 77/08](#), [C08L 77/12](#), [C08L 79/08](#), [C08L 79/085](#), [C08L 81/00](#), [C08L 83/00](#), [C08L 85/00](#), [C08L 91/06](#), [C08L 95/00](#) or [C08L 2666/00](#) - [C08L 2666/86](#). An additive is classified in the last appropriate place in the list as selected for each [C09J](#) group. Examples:
- An adhesive composition based on a polyamide and a graft polymer is classified in ([C09J 177/00](#), [C08L 2666/24](#)).

C09J

C09J

(continued)

- b. An adhesive composition based on polyvinylchloride and containing CaCO₃ is classified according to note 4 of [C08K](#), i.e. in [C08K 3/26](#) and [C09J 127/06](#). If this adhesive composition contains also a polyamide, then the classification will be ([C09J 127/06](#), [C08L 77/00](#), [C08K 3/26](#)).
- c. An adhesive composition based on a polysiloxane ([C09J 183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09J 183/04](#), [C08L 83/04](#), [C08L 2666/34](#), [C08L 2666/54](#)).
6. From April 2012, after the notation [C09J 4/00](#), classification concerning the monomer may be added, in the form of C-sets. The notation is selected from [C08F 210/00](#) - [C08F 246/00](#), [C08G 77/00](#) - [C08G 77/04](#) or [C08G 77/20](#) - [C08G 77/30](#).
Ex. 1: An adhesive based on methylmethacrylate monomer is classified in ([C09J 4/00](#), [C08F 220/00](#)).
Ex. 2: An adhesive based on a dialkoxysilane monomer compound is classified in ([C09J 4/00](#), [C08G 77/04](#)).
7. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a [C08L](#) class, and the minor components are characterised by Indexing Codes taken from [C08L](#) or [C08K](#) and they are linked or unlinked. The polymer in majority is always first in the C-set. List of indexing codes in the C-Sets: [C08L 1/00](#), [C08L 81/00](#), [C08L 83/00](#), [C08L 91/06](#), [C08L 95/00](#) or [C08L 2666/02](#) - [C08L 2666/08](#), [C08L 2666/14](#) - [C08L 2666/26](#). Examples:
a. An adhesive blend of 60 parts polyvinylchloride ([C09J 127/06](#)) and 40 parts polyamide is classified in ([C09J 127/06](#), [C08L 2666/20](#)), [C08L 77/00](#).
b. An adhesive blend of 50 parts polyvinylchloride ([C09J 127/06](#)) and 50 parts polyamide ([C09J 177/00](#)) is classified in ([C09J 127/06](#), [C08L 2666/20](#)), ([C09J 177/00](#), [C08L 2666/04](#)), [C08L 77/00](#) and [C08L 27/06](#).
c. An adhesive composition based on polyvinylchloride and containing CaCO₃ is classified according to [N: Note 4 of [C08K](#), i.e. in [C08K 3/26](#), [C09J 127/06](#). If this composition contains also a polyamide, then the classification will be ([C09J 127/06](#), [C08L 2666/20](#)) and [C08K 3/26](#).
d. A composition based on a first polysiloxane ([C09J 183/04](#)) and containing a second polysiloxane, a phenol and silica is classified in ([C09J 183/04](#), [C08L 83/00](#), [C08K 5/13](#), [C08K 3/36](#)) and [C08L 2205/02](#).
8. From April 2012 onwards, after the notation of groups [C09J 101/00](#) - [C09J 201/00](#), notations concerning the other constituents of the adhesive composition may be added, in the form of C-sets. The further constituent is added with an indexing code. The indexing codes are chosen from [C08L 1/00](#) - [C08L 2555/86](#) or [C08K](#) and they may be linked or unlinked: - [C08L 1/00](#) - [C08L 101/16](#) are linked. - [C08L 2201/00](#) - [C08L 2555/86](#) are unlinked. The polymer in majority is always first in the C-set.
Examples:
a. An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09J 123/06](#) and [C08K 5/544](#) (unlinked).
b. An adhesive containing 80 parts of polyethylene and 20 parts of polyvinylchloride is classified in group ([C09J 123/06](#), [C08L 27/06](#)).
c. An adhesive containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups ([C09J 123/06](#), [C08L 27/06](#)) and ([C09J 127/06](#), [C08L 23/06](#)).
d. An adhesive containing 90% of polysiloxane ([C09J 183/04](#)) further containing of polyester ([C08L 67/00](#)) and an alcohol is classified in ([C09J 183/04](#), [C08L 67/00](#), [C08K 5/05](#)).

WARNING

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 4/04	covered by	
C09J 161/08	covered by	
C09J 163/02	covered by	C09J 163/00
C09J 183/05	covered by	
C09J 183/07	covered by	

1/00 Adhesives based on inorganic constituents
1/02 . containing water-soluble alkali silicates
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](#)}
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](#)

5/00 Adhesive processes in general; Adhesive processes not provided for elsewhere, e.g. relating to primers (devices for applying glue to surfaces to be joined [B05](#), [B27G 11/00](#))
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
7/00 Adhesives in the form of films or foils

NOTE

In this main group, multi-aspect classification is applied, so that subject matter characterised by

C09J

C09J 7/00
(continued)

aspects covered by more than one of its subgroups should be classified in each of those groups.

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.

7/10 . 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.

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.

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

7/255 {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.

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

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
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
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
107/02	. Latex
109/00	Adhesives based on homopolymers or copolymers of conjugated diene hydrocarbons
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
111/02	. Latex
113/00	Adhesives based on rubbers containing carboxyl groups
113/02	. Latex
115/00	Adhesives based on rubber derivatives (C09J 111/00, C09J 113/00 take precedence)
115/005	. {Hydrogenated nitrile rubber}
115/02	. Rubber derivatives containing halogen
117/00	Adhesives based on reclaimed rubber
119/00	Adhesives based on rubbers, not provided for in groups C09J 107/00 - C09J 117/00

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
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
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}
123/16	. . {Elastomeric} ethene-propene or ethene-propene-diene copolymers, {e.g. EPR and EPDM rubbers}
NOTE	
This group is used for polymers comprising both ethylene and propylene	
123/18	. . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms

- 123/20 . . . having four to nine carbon atoms
- 123/22 Copolymers of isobutene; Butyl rubber
{Homo- or copolymers of other iso-olefines}
- 123/24 . . . having ten or more carbon atoms
- 123/26 . modified by chemical after-treatment
- 123/28 . . by reaction with halogens or compounds
containing halogen (C09J 123/32 takes
precedence)
- 123/283 . . . {Halogenated homo- or copolymers of iso-
olefines}
- 123/286 . . . {Chlorinated polyethylene}
- 123/30 . . by oxidation
- 123/32 . . by reaction with compounds containing
phosphorus or sulfur
- 123/34 . . . by chlorosulfonation
- 123/36 . . by reaction with compounds containing nitrogen,
e.g. by nitration

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

- 125/02 . Homopolymers or copolymers of hydrocarbons
- 125/04 . . Homopolymers or copolymers of styrene
- 125/06 . . . Polystyrene
- 125/08 . . . Copolymers of styrene (C09J 129/08,
C09J 135/06, C09J 155/02 take precedence)
- 125/10 with conjugated dienes
- 125/12 with unsaturated nitriles
- 125/14 with unsaturated esters
- 125/16 . . Homopolymers or copolymers of alkyl-
substituted styrenes
- 125/18 . Homopolymers or copolymers of aromatic
monomers containing elements other than carbon
and hydrogen

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

- 127/02 . not modified by chemical after-treatment
- 127/04 . . containing chlorine atoms
- 127/06 . . . Homopolymers or copolymers of vinyl chloride
- 127/08 . . . Homopolymers or copolymers of vinylidene
chloride
- 127/10 . . containing bromine or iodine atoms
- 127/12 . . containing fluorine atoms
- 127/14 . . . Homopolymers or copolymers of vinyl fluoride
- 127/16 . . . Homopolymers or copolymers of vinylidene
fluoride
- 127/18 . . . Homopolymers or copolymers of
tetrafluoroethene
- 127/20 . . . Homopolymers or copolymers of
hexafluoropropene
- 127/22 . modified by chemical after-treatment
- 127/24 . . halogenated

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

- 129/02 . Homopolymers or copolymers of unsaturated
alcohols (C09J 129/14 takes precedence)
- 129/04 . . Polyvinyl alcohol; Partially hydrolysed
homopolymers or copolymers of esters of
unsaturated alcohols with saturated carboxylic
acids
- 129/06 . . Copolymers of allyl alcohol
- 129/08 . . . with vinyl aromatic monomers
- 129/10 . Homopolymers or copolymers of unsaturated ethers
(C09J 135/08 takes precedence)
- 129/12 . Homopolymers or copolymers of unsaturated
ketones
- 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

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

- 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

- 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	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
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	143/02	. Homopolymers or copolymers of monomers containing phosphorus
133/18	. Homopolymers or copolymers of nitriles	143/04	. Homopolymers or copolymers of monomers containing silicon
133/20	. . Homopolymers or copolymers of acrylonitrile (C09J 155/02 takes precedence)	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)
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	145/02	. Coumarone-indene polymers
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	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)
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)	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
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	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
		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)}
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	151/006	. {grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}
139/02	. Homopolymers or copolymers of vinylamine	151/02	. grafted on to polysaccharides
139/04	. Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member	151/04	. grafted on to rubbers
139/06	. . Homopolymers or copolymers of N-vinyl-pyrrolidones	151/06	. grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond
139/08	. . Homopolymers or copolymers of vinyl-pyridine	151/08	. grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds
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	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
		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	163/08	• Epoxidised polymerised polyenes
155/005	• {Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond}	163/10	• Epoxy resins modified by unsaturated compounds
155/02	• ABS [Acrylonitrile-Butadiene-Styrene] polymers		NOTE
155/04	• Polyadducts obtained by the diene synthesis		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 according to the linkage present in excess.
157/00	Adhesives based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds	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
157/02	• Copolymers of mineral oil hydrocarbons	165/02	• Polyphenylenes
157/04	• Copolymers in which only the monomer in minority is defined	165/04	• Polyxylylenes
157/06	• Homopolymers or copolymers containing elements other than carbon and hydrogen	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
157/08	• . containing halogen atoms	167/02	• Polyesters derived from dicarboxylic acids and dihydroxy compounds (C09J 167/06 takes precedence)
157/10	• . containing oxygen atoms	167/025	• . {containing polyether sequences}
157/12	• . containing nitrogen atoms	167/03	• . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings
<u>Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds</u>		167/04	• Polyesters derived from hydroxycarboxylic acids, e.g. lactones (C09J 167/06 takes precedence)
159/00	Adhesives based on polyacetals; Adhesives based on derivatives of polyacetals	167/06	• Unsaturated polyesters having carbon-to-carbon unsaturation
159/02	• Polyacetals containing polyoxymethylene sequences only	167/07	• . having terminal carbon-to-carbon unsaturated bonds
159/04	• Copolyoxymethylenes	167/08	• Polyesters modified with higher fatty oils or their acids, or with natural resins or resin acids
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	169/00	Adhesives based on polycarbonates; Adhesives based on derivatives of polycarbonates
161/02	• Condensation polymers of aldehydes or ketones only	169/005	• {Polyester-carbonates}
161/04	• Condensation polymers of aldehydes or ketones with phenols only	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
161/06	• . of aldehydes with phenols	171/02	• Polyalkylene oxides
161/12	• . . with polyhydric phenols	171/03	• . Polyepihalohydrins
161/14	• . . Modified phenol-aldehyde condensates	171/08	• Polyethers derived from hydroxy compounds or from their metallic derivatives (C09J 171/02 takes precedence) {not used}
161/16	• . of ketones with phenols	171/10	• . from phenols {not used}
161/18	• Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only	171/12	• . . Polyphenylene oxides
161/20	• Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols C09J 161/04)	171/14	• . Furfuryl alcohol polymers
161/22	• . of aldehydes with acyclic or carbocyclic compounds	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
161/24	• . . with urea or thiourea		
161/26	• . of aldehydes with heterocyclic compounds		
161/28	• . . with melamine		
161/30	• . of aldehydes with heterocyclic and acyclic or carbocyclic compounds		
161/32	• . Modified amine-aldehyde condensates		
161/34	• 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		
163/00	Adhesives based on epoxy resins; Adhesives based on derivatives of epoxy resins		
163/04	• Epoxynovolacs		
163/06	• Triglycidylisocyanurates		

- 173/02 . Polyanhydrides
- 175/00 Adhesives based on polyureas or polyurethanes; Adhesives based on derivatives of such polymers**
- 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**
- 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**
- 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**
- 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 main group, from 01.09.2010 onwards, new documents are classified according to the following system. The adhesive is identified with the previous existing ECLA(+B) notation, e.g. [C09J 183/04](#) +**B4S** (for an adhesive containing two or more siloxanes), while the information as to which different polymers are present in the adhesive is identified with additional indexing codes, e.g. [C08G 77/12](#) and [C08G 77/20](#)

- 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**
- 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**
- 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 (foodstuff preparations A23J 3/00)**
- 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 (polishing compositions, ski waxes C09G; soaps, detergent compositions C11D)	2201/602	. . . {being conductive}
191/005	. {Drying oils}	2201/606	. . . {the adhesive being pressure-sensitive, i.e. tacky at temperatures inferior to 30°C}
191/02	. Vulcanised oils, e.g. factice	2201/61	. . . {the adhesive being a hot-melt, i.e. not tacky at temperatures inferior to 30°C}
191/04	. Linoxyn	2201/614	. . . {the adhesive being water-activatable}
191/06	. Waxes	2201/618	. . . {the adhesive losing adhesive strength when being stretched, e.g. stretch adhesive}
191/08	. . Mineral waxes	2201/622	. . . {the parameters being the characterising features}
193/00	Adhesives based on natural resins; Adhesives based on derivatives thereof (polishing compositions C09G)	2201/626	. . . {the adhesive effect being based on a so-called Gecko structure}
193/02	. Shellac		
193/04	. Rosin		
195/00	Adhesives based on bituminous materials, e.g. asphalt, tar, pitch	2203/00	Applications
195/005	. {Aqueous compositions, e.g. emulsions}	2203/10	. Use of the adhesive composition in processes
197/00	Adhesives based on lignin-containing materials	2203/102	. . in the form of dowels, anchors or cartridges
197/002	. {Peat, lignite, coal (briquettes C10L 5/00 ; working-up peat; ceramic products based on carbon or carbides)}	2203/30	. Use of the adhesive tape
197/005	. {Lignin}	2203/302	. . for bundling cables
197/007	. {Cork}	2203/306	. . for protecting painted surfaces, e.g. of cars
197/02	. Lignocellulosic material, e.g. wood, straw or bagasse	2203/31	. . as a masking tape for painting
199/00	Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 189/00 - C09J 197/00	2203/314	. . for carpets
201/00	Adhesives based on unspecified macromolecular compounds	2203/318	. . for the production of liquid crystal displays
201/005	. {Dendritic macromolecules}	2203/322	. . for the production of solar panels
201/02	. characterised by the presence of specified groups {, e.g. terminal or pendant functional groups}	2203/326	. . for bonding electronic components such as wafers, chips or semiconductors
201/025	. . {containing nitrogen atoms}	2203/33	. . for batteries or fuel cells
201/04	. . containing halogen atoms	2203/334	. . as a label
201/06	. . containing oxygen atoms {(C09J 201/025 takes precedence)}	2203/338	. . as tamper-evident tape or label
201/08	. . . Carboxyl groups	2203/342	. . for flying splice applications
201/10	. . containing hydrolysable silane groups	2205/00	Other features
2201/12	. . {by the arrangement of layers}	2205/10	. of adhesive tapes; Production process thereof
2201/122	. . . {the adhesive layer being present only on one side of the carrier, e.g. single-sided adhesive tape}	2205/102	. . additives as essential feature of the adhesive layer, the additive itself being indicated with the corresponding code of C08K
2201/128	. . . {the adhesive layer being present on both sides of the carrier, e.g. double-sided adhesive tape}	2205/106	. . additives as essential feature of the substrate, the additive itself being indicated by the corresponding code of C08K
2201/134	. . . . {the opposite adhesive layers being different}	2205/11	. . Presence of microspheres
2201/16	. . {by the structure of the carrier layer}	2205/114	. . Presence of a copolymer
2201/162	. . . {the carrier layer being a laminate constituted by plastic layers only}	NOTE	
2201/20	. . {by perforations through the adhesive tape}	This group is to be used in combination with combined indexing codes of C09J 2401/00-C09J 2499/00 in case a copolymer is present but not a blend	
2201/24	. . {the adhesive being in the form of fibres}	2205/30	. of adhesive processes in general
2201/28	. . {the adhesive coating being discontinuous}	2205/302	. . Process for debonding adherents
2201/32	. . {the adhesive layer comprising non-adhesive protrusions}	2205/306	. . Process of pretreatment for improving adhesion of rubber on metallic surfaces
2201/36	. . {the adhesive layer being constituted by at least two or more adjacent or superposed adhesive layers, e.g. multilayer adhesive}	2205/31	. . Use of irradiation
2201/40	. . {the adhesive layer being formed by alternating adhesive areas being chemically different}	2400/00	Presence of inorganic and organic materials
2201/60	. . {by other properties}	2400/10	. Presence of inorganic materials
		2400/12	. . Ceramic
		2400/123	. . . in the substrate
		2400/126	. . . in the pretreated surface to be joined
		2400/14	. . Glass
		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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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 layer
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
2427/003	. in the primer coating
2427/005	. in the release layer

- 2427/006 . in the substrate
- 2427/008 . in the pretreated surface to be joined

2429/00 Presence of polyvinyl alcohol

- 2429/001 . in the barrier layer
- 2429/003 . in the primer coating
- 2429/005 . in the release layer
- 2429/006 . in the substrate
- 2429/008 . in the pretreated surface to be joined

2431/00 Presence of polyvinyl acetate

- 2431/001 . in the barrier layer
- 2431/003 . in the primer coating
- 2431/005 . in the release layer
- 2431/006 . in the substrate
- 2431/008 . in the pretreated surface to be joined

2433/00 Presence of acrylic polymer

- 2433/001 . in the barrier layer
- 2433/003 . in the primer coating
- 2433/005 . in the release layer
- 2433/006 . in the substrate
- 2433/008 . in the pretreated surface to be joined

2451/00 Presence of graft polymer

- 2451/001 . in the barrier layer
- 2451/003 . in the primer coating
- 2451/005 . in the release layer
- 2451/006 . in the substrate
- 2451/008 . in the pretreated surface to be joined

2453/00 Presence of block copolymer

- 2453/001 . in the barrier layer
- 2453/003 . in the primer coating
- 2453/005 . in the release layer
- 2453/006 . in the substrate
- 2453/008 . in the pretreated surface to be joined

2455/00 Presence of ABS

- 2455/001 . in the barrier layer
- 2455/003 . in the primer coating
- 2455/005 . in the release layer
- 2455/006 . in the substrate
- 2455/008 . in the pretreated surface to be joined

2459/00 Presence of polyacetal

- 2459/001 . in the barrier layer
- 2459/003 . in the primer coating
- 2459/005 . in the release layer
- 2459/006 . in the substrate
- 2459/008 . in the pretreated surface to be joined

2461/00 Presence of phenolic resin

- 2461/001 . in the barrier layer
- 2461/003 . in the primer coating
- 2461/005 . in the release layer
- 2461/006 . in the substrate
- 2461/008 . in the pretreated surface to be joined

2463/00 Presence of epoxy resin

- 2463/001 . in the barrier layer
- 2463/003 . in the primer coating
- 2463/005 . in the release layer
- 2463/006 . in the substrate
- 2463/008 . in the pretreated surface to be joined

2465/00 Presence of polyphenylene

- 2465/001 . in the barrier layer
- 2465/003 . in the primer coating
- 2465/005 . in the release layer
- 2465/006 . in the substrate
- 2465/008 . in the pretreated surface to be joined

2467/00 Presence of polyester

- 2467/001 . in the barrier layer
- 2467/003 . in the primer coating
- 2467/005 . in the release layer
- 2467/006 . in the substrate
- 2467/008 . in the pretreated surface to be joined

2469/00 Presence of polycarbonate

- 2469/001 . in the barrier layer
- 2469/003 . in the primer coating
- 2469/005 . in the release layer
- 2469/006 . in the substrate
- 2469/008 . in the pretreated surface to be joined

2471/00 Presence of polyether

- 2471/001 . in the barrier layer
- 2471/003 . in the primer coating
- 2471/005 . in the release layer
- 2471/006 . in the substrate
- 2471/008 . in the pretreated surface to be joined

2475/00 Presence of polyurethane

- 2475/001 . in the barrier layer
- 2475/003 . in the primer coating
- 2475/005 . in the release layer
- 2475/006 . in the substrate
- 2475/008 . in the pretreated surface to be joined

2477/00 Presence of polyamide

- 2477/001 . in the barrier layer
- 2477/003 . in the primer coating
- 2477/005 . in the release layer
- 2477/006 . in the substrate
- 2477/008 . in the pretreated surface to be joined

2479/00 Presence of polyamine or polyimide

- 2479/02 . polyamine
- 2479/021 . . in the barrier layer
- 2479/023 . . in the primer coating
- 2479/025 . . in the release layer
- 2479/026 . . in the substrate
- 2479/028 . . in the pretreated surface to be joined
- 2479/08 . polyimide
- 2479/081 . . in the barrier layer
- 2479/083 . . in the primer coating
- 2479/085 . . in the release layer
- 2479/086 . . in the substrate
- 2479/088 . . in the pretreated surface to be joined

2481/00 Presence of sulfur containing polymers

- 2481/001 . in the barrier layer
- 2481/003 . in the primer coating
- 2481/005 . in the release layer
- 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

C09J

- 2483/003 . in the primer coating
- 2483/005 . in the release layer
- 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 layer
- 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 layer
- 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 layer
- 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 layer
- 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 layer
- 2499/006 . in the substrate
- 2499/008 . in the pretreated surface to be joined