

**CPC****COOPERATIVE PATENT CLASSIFICATION****C08C****TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS****NOTE**

This subclass includes:

- processes directed to natural rubber or to conjugated diene rubber (synthesis thereof [C08F](#))
- processes directed to rubbers in general (to a specified rubber, other than provided for by (a) above, [C08F](#) to [C08H](#))

**WARNING**

The following IPC groups are not used in the CPC scheme. Subject matter covered by these groups is classified in the following CPC groups:

[C08C 1/16](#) covered by [C08C 1/14](#)

**C08C 1/00****Treatment of rubber latex**

- [C08C 1/02](#) . Chemical or physical treatment of rubber latex before or during concentration
- [C08C 1/04](#) .. Purifying; Deproteinising
- [C08C 1/06](#) .. Preservation of rubber latex ( [preserving ingredients C08K](#) )
- [C08C 1/065](#) .. Increasing the size of dispersed rubber particles
- [C08C 1/07](#) ... characterised by the agglomerating agents used
- [C08C 1/075](#) .. Concentrating
- [C08C 1/08](#) ... with the aid of creaming agents
- [C08C 1/10](#) ... by centrifugation
- [C08C 1/12](#) ... by evaporation
- [C08C 1/14](#) . Coagulation
- [C08C 1/145](#) .. { [Heat-sensitising agents](#) }
- [C08C 1/15](#) .. characterised by the coagulants used

**C08C 2/00****Treatment of rubber solutions**

- [C08C 2/02](#) . Purification
- [C08C 2/04](#) .. Removal of catalyst residues
- [C08C 2/06](#) . Wining of rubber from solutions

**C08C 3/00****Treatment of coagulated rubber**

- [C08C 3/02](#) . Purification

**C08C 4/00** Treatment of rubber before vulcanisation, not provided for in groups [C08C 1/00](#) to [C08C 3/02](#)

**C08C 19/00** Chemical modification of rubber ( crosslinking agents, other than provided for by [C08C 19/30](#), [C08K](#) )

**NOTE**

In the absence of an indication to the contrary a process is classified in the last appropriate place

- [C08C 19/02](#) . Hydrogenation
- [C08C 19/04](#) . Oxidation
- [C08C 19/06](#) . . Epoxidation
- [C08C 19/08](#) . Depolymerisation
- [C08C 19/10](#) . Isomerisation; Cyclisation
- [C08C 19/12](#) . Incorporating halogen atoms into the molecule
- [C08C 19/14](#) . . by reaction with halogens
- [C08C 19/16](#) . . by reaction with hydrogen halides
- [C08C 19/18](#) . . by reaction with hydrocarbons substituted by halogen
- [C08C 19/20](#) . Incorporating sulfur atoms into the molecule
- [C08C 19/22](#) . Incorporating nitrogen atoms into the molecule
- [C08C 19/24](#) . Incorporating phosphorus atoms into the molecule
- [C08C 19/25](#) . Incorporating silicon atoms into the molecule
- [C08C 19/26](#) . Incorporating metal atoms into the molecule
- [C08C 19/28](#) . Reaction with compounds containing carbon-to-carbon unsaturated bonds ( [graft polymers C08F](#) )
- [C08C 19/30](#) . Addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule
- [C08C 19/32](#) . . reacting with halogens or halogen-containing groups
- [C08C 19/34](#) . . reacting with oxygen or oxygen-containing groups
- [C08C 19/36](#) . . . with carboxy radicals
- [C08C 19/38](#) . . . with hydroxy radicals
- [C08C 19/40](#) . . . with epoxy radicals
- [C08C 19/42](#) . . reacting with metals or metal-containing groups
- [C08C 19/44](#) . . . of polymers containing metal atoms exclusively at one or both ends of the

skeleton

C08C 2019/00

**Chemical modification of rubber** ( [crosslinking agents](#), other than provided for by [C08C 19/30](#), [C08K](#) )

**NOTE**

In the absence of an indication to the contrary a process is classified in the last appropriate place

[C08C 2019/09](#)

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