

**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](#)

**Guidance heading:****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 2019/09 . Metathese
- 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