# SECTION C — CHEMISTRY; METALLURGY

## C08 ORGANIC MACROMOLECULAR COMPOUNDS; THEIR PREPARATION OR CHEMICAL WORKING-UP; COMPOSITIONS BASED THEREON

### C08C TREATMENT OR CHEMICAL MODIFICATION OF RUBBERS

**Note(s) [2]**

This subclass covers:
- processes directed to natural rubber or to conjugated diene rubbers;
- processes directed to rubbers in general.

**Preparation**

**1/00 Treatment of rubber latex [1, 2006.01]**

1/02 • Chemical or physical treatment of rubber latex before or during concentration **[1, 2006.01]**
1/04 • • Purifying; Deproteinising **[1, 2006.01]**
1/06 • • Preservation of rubber latex **[1, 2006.01]**
1/065 • • Increasing the size of dispersed rubber particles **[2, 2006.01]**
1/07 • • • characterised by the agglomerating agents used **[2, 2006.01]**
1/075 • • Concentrating **[2, 2006.01]**
1/08 • • • with the aid of creaming agents **[1, 2, 2006.01]**
1/10 • • • by centrifugation **[1, 2, 2006.01]**
1/12 • • • by evaporation **[1, 2, 2006.01]**
1/14 • Coagulation **[1, 2006.01]**
1/15 • • characterised by the coagulants used **[2, 2006.01]**
1/16 • • in floc form **[1, 2006.01]**

**2/00 Treatment of rubber solutions [2, 2006.01]**

2/02 • Purification **[2, 2006.01]**
2/04 • • Removal of catalyst residues **[2, 2006.01]**
2/06 • Winning of rubber from solutions **[2, 2006.01]**

**3/00 Treatment of coagulated rubber [1, 2006.01]**

3/02 • Purification **[2, 2006.01]**

**4/00 Treatment of rubber before vulcanisation, not provided for in groups C08C 1/00-C08C 3/02 [2, 2006.01]**

**19/00 Chemical modification of rubber [2, 2006.01]**

**Note(s) [2]**

In groups C08C 19/02-C08C 19/30, the last place priority rule is applied, i.e. at each hierarchical level, in the absence of an indication to the contrary, a process is classified in the last appropriate place.

19/02 • Hydrogenation **[2, 2006.01]**
19/04 • Oxidation **[2, 2006.01]**
19/06 • • Epoxidation **[2, 2006.01]**
19/08 • Depolymerisation **[2, 2006.01]**
19/10 • Isomerisation; Cyclisation **[2, 2006.01]**
19/12 • Incorporating halogen atoms into the molecule **[2, 2006.01]**
19/14 • • by reaction with halogens **[2, 2006.01]**
19/16 • • by reaction with hydrogen halides **[2, 2006.01]**
19/18 • • by reaction with hydrocarbons substituted by halogen **[2, 2006.01]**
19/20 • Incorporating sulfur atoms into the molecule **[2, 2006.01]**
19/22 • Incorporating nitrogen atoms into the molecule **[2, 2006.01]**
19/24 • Incorporating phosphorus atoms into the molecule **[2, 2006.01]**
19/25 • Incorporating silicon atoms into the molecule **[5, 2006.01]**
19/26 • Incorporating metal atoms into the molecule **[2, 2006.01]**
19/28 • Reaction with compounds containing carbon-to-carbon unsaturated bonds (graft polymers C08F 279/00) **[2, 2006.01]**
19/30 • Addition of a reagent which reacts with a hetero atom or a group containing hetero atoms of the macromolecule **[2, 2006.01]**
19/32 • • reacting with halogens or halogen-containing groups **[2, 2006.01]**
19/34 • • reacting with oxygen or oxygen-containing groups **[2, 2006.01]**
19/36 • • • with carboxy radicals **[2, 2006.01]**
19/38 • • • with hydroxy radicals **[2, 2006.01]**
19/40 • • • with epoxy radicals **[2, 2006.01]**
19/42 • • reacting with metals or metal-containing groups **[2, 2006.01]**
19/44 • • • of polymers containing metal atoms exclusively at one or both ends of the skeleton **[2, 2006.01]**