CPC  COOPERATIVE PATENT CLASSIFICATION

C  CHEMISTRY; METALLURGY

CHEMISTRY

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

C08L  COMPOSITIONS OF MACROMOLECULAR COMPOUNDS (compositions based on polymerisable monomers C08F, C08G; artificial filaments or fibres D01F; textile treating compositions D06)

NOTES
1. In this subclass, the following term is used with the meaning indicated:
   • Rubber includes:
      a. natural or conjugated diene rubbers;
      b. rubber in general (for a specific rubber, other than a natural rubber or a conjugated diene rubber, see the group provided for compositions of such macromolecular compounds).
2. In this subclass:
   a. compositions are classified according to the mutual proportions by weight of only the macromolecular constituents;
   b. compositions are classified according to the macromolecular constituent or constituents present in the highest proportion: if all these constituents are present in equal proportions the composition is classified according to each of these constituents.
3. Any macromolecular constituent of a composition which is not identified by the classification according to Note (2) above, and the use of which is determined to be novel and non-obvious, must also be classified in this subclass. For example, a composition containing 80 parts polyethene and 20 parts polyvinyl chloride is classified in both groups C08L 23/06 and C08L 27/06, if the use of polyvinyl chloride is determined to be novel and non-obvious. {This IPC Note does not apply in CPC}
4. Any macromolecular constituent of a composition which is not identified by the classification according to Notes (2) or (3) above, and which is considered to represent information of interest for search, may also be classified in this subclass. This can, for example, be the case when it is considered of interest to enable searching of compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information". {This IPC Note does not apply in CPC}
5. {Compositions classified in C08K according to note 3 of C08K, are not classified in C08L.}
6. {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.}
7. {C08L 2666/00 indexing codes were used for C-Sets classification of documents before April 2012. In addition to note (6), for searching documents classified before April 2012, see also C08L 2666/00 in the definitions of C08L.}

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:
   - C08L 61/08-C08L 61/10 covered by C08L 61/06
   - C08L 63/02 covered by C08L 63/00
   - C08L 83/05 covered by C08L 83/04
   - C08L 83/07 covered by C08L 83/04
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.

Compositions of polysaccharides or of their derivatives

1/00  Compositions of cellulose, modified cellulose or cellulose derivatives

NOTE
   In this group, C-Sets are used.
   The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.
Compositions of polysaccharides or of their derivatives

1/20 . . . Esters of both organic acids and inorganic acids
1/22 . . . Cellulose xanthate
1/24 . . . Viscose
1/26 . . . Cellulose ethers
1/28 . . . Alkyl ethers
1/282 . . . . . [with halogen-substituted hydrocarbon radicals]
1/284 . . . . . [with hydroxylated hydrocarbon radicals]
1/286 . . . . . [substituted with acid radicals, e.g. carboxymethyl cellulose (CMC)
                    (C08L 1/282 takes precedence)]
1/288 . . . . . [substituted with nitrogen-containing radicals]
1/30 . . . Aryl ethers; Aralkyl ethers
1/32 . . . Cellulose ether-esters

3/00 Compositions of starch, amylose or amylopectin or of their derivatives or degradation products

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

3/02 . . . Starch; Degradation products thereof, e.g. dextrin
3/04 . . . Starch derivatives {, e.g. crosslinked derivatives}
3/06 . . . Esters
3/08 . . . Ethers
3/10 . . Oxidised starch
3/12 . . Amylose; Amylopectin; Degradation products thereof
3/14 . . Amylose derivatives; Amylopectin derivatives
3/16 . . Esters
3/18 . . Ethers
3/20 . . Oxidised amylose; Oxidised amylopectin

5/00 Compositions of polysaccharides or of their derivatives not provided for in groups C08L 1/00 or C08L 3/00

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

5/02 . . . Dextran; Derivatives thereof
5/04 . . . Alginate acid; Derivatives thereof
5/06 . . . Pectin; Derivatives thereof
5/08 . . . Chitin; Chondroitin sulfate; Hyaluronic acid; Derivatives thereof
5/10 . . . Heparin; Derivatives thereof
5/12 . . . [Agar or] agar-agar {, i.e. mixture of agarose and agarpectin}; Derivatives thereof
5/14 . . . Hemicellulose; Derivatives thereof
5/16 . . . Cyclodextrin; Derivatives thereof

Compositions of rubber or of their derivatives

7/00 Compositions of natural rubber

NOTE
In this group, C-Sets are used.

7/02 . . Latex

9/00 Compositions of homopolymers or copolymers of conjugated diene hydrocarbons

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

9/02 . . Copolymers with acrylonitrile
9/04 . . Latex
9/06 . . Copolymers with styrene
9/08 . . Latex
9/10 . . Latex (C08L 9/04, C08L 9/08 take precedence)

11/00 Compositions of homopolymers or copolymers of chloroprene

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

11/02 . . Latex

13/00 Compositions of rubbers containing carboxyl groups

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

13/02 . . Latex

15/00 Compositions of rubber derivatives (C08L 11/00, C08L 13/00 take precedence)

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

15/005 . . [Hydrogenated nitrile rubber]
15/0/2 . . Rubber derivatives containing halogen

17/00 Compositions of reclaimed rubber

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

19/00 Compositions of rubbers not provided for in groups C08L 7/00 - C08L 17/00

NOTE
In this group, C-Sets are used.
Compositions of rubber or of their derivatives

C08L 19/00 (continued)  The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

19/003  [Precrosslinked rubber; Scrap rubber; Used vulcanised rubber]

19/006  [Rubber characterised by functional groups, e.g. telechelic diene polymers]

19/02  Latex

21/00 Compositions of unspecified rubbers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

21/02  Latex

Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

NOTE
{Groups C08L 23/00 - C08L 49/00 are to be interpreted in accordance with Notes 2), 3) and 4 a) following the title of subclass C08F}

23/00 Compositions of homopolymers or copolymers of unsaturated aliphatic hydrocarbons having only one carbon-to-carbon double bond; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

23/02  not modified by chemical after-treatment
23/025  [Copolymer of an unspecified olefin with a monomer other than an olefin]
23/04  Homopolymers or copolymers of ethene
23/06  Polyethylene
23/08  Copolymers of ethene (C08L 23/16 takes precedence)
23/0807  [Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms]
23/0815  [Copolymers of ethene with aliphatic 1-olefins]
23/0823  [Copolymers of ethene with aliphatic cyclic olefins]
23/083  [Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond]
23/0838  [Copolymers of ethene with aromatic monomers]
23/0846  [Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms]
23/0853  [Vinylacetate]
23/0861  [Saponified vinylacetate]
23/0869  [Acids or derivatives thereof]
23/0876  [Neutralised polymers, i.e. ionomers]
23/0884  [Epoxide containing esters]
Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

25/14 . . . with unsaturated esters
25/16 . . Homopolymers or copolymers of alkyl-substituted styrenes
25/18 . Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen

27/00 Compositions of 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; Compositions of derivatives of such polymers

NOTE

In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

27/02 . not modified by chemical after-treatment
27/04 . containing chlorine atoms
27/06 . Homopolymers or copolymers of vinyl chloride
27/08 . Homopolymers or copolymers of vinylidene chloride
27/10 . containing bromine or iodine atoms
27/12 . containing fluorine atoms
27/14 . Homopolymers or copolymers of vinyl fluoride
27/16 . Homopolymers or copolymers of vinyldene fluoride
27/18 . Homopolymers or copolymers or tetrafluoroethene
27/20 . Homopolymers or copolymers of hexafluoropropene
27/22 . modified by chemical after-treatment
27/24 . halogenated

29/00 Compositions of 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, aldehyde, ketonic, acetal or ketal radical; Compositions of hydrolysed polymers of esters of unsaturated alcohols with saturated carboxylic acids; Compositions of derivatives of such polymers

NOTE

In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

29/02 . Homopolymers or copolymers of unsaturated alcohols (C08L 29/14 takes precedence)
29/04 . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids
29/06 . Copolymers of allyl alcohol
29/08 . with vinyl-aromatic monomers
29/10 . Homopolymers or copolymers of unsaturated ethers (C08L 35/08 takes precedence)
29/12 . Homopolymers or copolymers of unsaturated ketones

29/14 . Homopolymers or copolymers of acetal or ketals obtained by polymerisation of unsaturated acetal or ketals or by after-treatment of polymers of unsaturated alcohols

31/00 Compositions of 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 carboxic acid or of a haloformic acid (of hydrolysed polymers C08L 29/00); Compositions of derivatives of such polymers

NOTE

In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

31/02 . Homopolymers or copolymers of esters of monocarboxylic acids
31/04 . Homopolymers or copolymers of vinyl acetate
31/06 . Homopolymers or copolymers of esters of polycarboxylic acids
31/08 . of phthalic acid

33/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, each having only one carbon-to-carbon double bond, and only one being terminated by only one carboxyl radical, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers

NOTE

In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

33/02 . Homopolymers or copolymers of acids; Metal or ammonium salts thereof
33/04 . Homopolymers or copolymers of esters (C08L 43/04 takes precedence)
33/06 . of esters containing only carbon, hydrogen and oxygen, which oxygen atoms are present only as part of the carboxyl radical
33/062 . . . [Copolymers with monomers not covered by C08L 33/06]
33/064 . . . . [containing anhydride, COOH or COOM groups, with M being metal or onium-cation]
33/066 . . . . [containing -OH groups]
33/068 . . . . [containing glycidyl groups]
33/08 . . . Homopolymers or copolymers of acrylic acid esters
33/10 . . . Homopolymers or copolymers of methacrylic acid esters
33/12 . . . Homopolymers or copolymers of methyl methacrylate
33/14 . . . of esters containing halogen, nitrogen, sulfur, or oxygen atoms in addition to the carboxy oxygen
33/16 . . . Homopolymers or copolymers of esters containing halogen atoms
33/18 . Homopolymers or copolymers of nitriles
Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

33/20 . . Homopolymers or copolymers of acrylonitrile (C08L 35/02 takes precedence)
33/22 . . Homopolymers or copolymers of nitriles containing four or more carbon atoms
33/24 . . Homopolymers or copolymers of amides or imides
33/26 . . Homopolymers or copolymers of acrylamide or methacrylamide

35/00 Compositions of 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 one other carboxyl radical in the molecule, or of salts, anhydrides, esters, amides, imides or nitriles thereof; Compositions of derivatives of such polymers

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

35/02 . . Homopolymers or copolymers of esters (C08L 35/06, C08L 35/08 take precedence)
35/04 . . Homopolymers or copolymers of nitriles (C08L 35/06, C08L 35/08 take precedence)
35/06 . . Copolymers with vinyl aromatic monomers
35/08 . . Copolymers with vinyl ethers

37/00 Compositions of 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 (of cyclic esters of polyfunctional acids C08L 31/00; of cyclic anhydrides of unsaturated acids C08L 35/00); Compositions of derivatives of such polymers

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

39/00 Compositions of 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; Compositions of derivatives of such polymers

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

39/02 . . Homopolymers or copolymers of vinylamine
39/04 . . Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
39/06 . . Homopolymers or copolymers of N-vinylpyrrolidones

39/08 . . Homopolymers or copolymers of vinyl-pyridine

41/00 Compositions of 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; Compositions of derivatives of such polymers

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

43/00 Compositions of 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; Compositions of derivatives of such polymers (of metal salts, e.g. phenolates, alcoholates, see the parent compounds)

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

43/02 . . Homopolymers or copolymers of monomers containing phosphorus
43/04 . . Homopolymers or copolymers of monomers containing silicon

45/00 Compositions of homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in side chain, and having one or more carbon-to-carbon double bonds in a carbocyclic or in a heterocyclic ring system; Compositions of derivatives of such polymers (of cyclic anhydrides or imides C08L 35/00; of cyclic esters of polyfunctional acids C08L 31/00)

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

45/02 . . of coumarone-indene polymers

47/00 Compositions of homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Compositions of derivatives of such polymers (C08L 45/00 takes precedence; of conjugated diene rubbers C08L 9/00 - C08L 21/00)

**NOTE**
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.
Compositions of macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds

49/00 Compositions of homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

51/00 Compositions of graft polymers in which the grafted component is obtained by reactions only involving carbon-to-carbon unsaturated bonds (for ABS polymers C08L 55/02); Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

51/003 . (rafted on to macromolecular compounds obtained by reactions only involving unsaturated carbon-to-carbon bonds (C08L 51/04, C08L 51/06 take precedence))

51/006 . (rafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds)

51/02 . grafted on to polysaccharides

51/04 . grafted on to rubbers

51/06 . grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond

51/08 . grafted on to macromolecular compounds obtained otherwise than by reactions only involving unsaturated carbon-to-carbon bonds

51/085 . . (on to polysiloxanes)

51/10 . grafted on to inorganic materials

53/00 Compositions of block copolymers containing at least one sequence of a polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

53/005 . (Modified block copolymers)

53/02 . of vinyl-aromatic monomers and conjugated dienes

53/025 . . (modified)

55/00 Compositions of homopolymers or copolymers, obtained by polymerisation reactions only involving carbon-to-carbon unsaturated bonds, not provided for in groups C08L 23/00 - C08L 53/00

NOTE
In this group, C-Sets are used.

55/005 . (Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond)

55/02 . ABS [Acrylonitrile-Butadiene-Styrene] polymers

55/04 . Polyadducts obtained by the diene synthesis

57/00 Compositions of unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

57/02 . Copolymers of mineral oil hydrocarbons

57/04 . Copolymers in which only the monomer in minority is defined

57/06 . Homopolymers or copolymers containing elements other than carbon and hydrogen

57/08 . . containing halogen atoms

57/10 . . containing oxygen atoms

57/12 . . containing nitrogen atoms

Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds

59/00 Compositions of polyacetals; Compositions of derivatives of polyacetals (of polyvinyl acetals C08L 29/14)

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

59/02 . Polyacetals containing polyoxymethylene sequences only

59/04 . Copolyoxymethylene

61/00 Compositions of condensation polymers of aldehydes or ketones (with polyalcohols C08L 59/00; with polyacrylates C08L 77/00); Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.
The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

61/02 . Condensation polymers of aldehydes or ketones only

61/04 . Condensation polymers of aldehydes or ketones with phenols only

61/06 . . of aldehydes with phenols

61/12 . . with polyhydric phenols

61/14 . . Modified phenol-aldehyde condensates

61/16 . . of ketones with phenols
Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon...

67/02 . Polyesters derived from dicarboxylic acids and dihydroxy compounds (C08L 67/06 takes precedence)

67/025 . (containing polyether sequences)

67/03 . the dicarboxylic acids and dihydroxy compounds having the carboxyl- and the hydroxy groups directly linked to aromatic rings

67/04 . Polymers derived from hydroxycarboxylic acids, e.g. lactones (C08L 67/06 takes precedence)

67/06 . Unsaturated polysters

67/07 . having terminal carbon-to-carbon unsaturated bonds

67/08 . Polymers modified with higher fatty oils or their acids, or with resins or resin acids

69/00 Compositions of polycarbonates; Compositions of derivatives of polycarbonates

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

69/005 . [Polyester-carbonates]

71/00 Compositions of polyethers obtained by reactions forming an ether link in the main chain (of polyacetals C08L 59/00; of epoxy resins C08L 63/00; of polythioether-ethers C08L 81/02; of polyether-sulfones C08L 81/06); Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

71/02 . Polyalkylene oxides

71/03 . Polyelephalohydins

71/08 . Polymethoxes derived from hydroxy compounds or from their metallic derivatives (C08L 71/02 takes precedence) {not used}

71/10 . from phenols {not used}

71/12 . Polylephylene oxides

71/123 . . . . {not modified by chemical after-treatment}

71/126 . . . . {modified by chemical after-treatment}

71/14 . Furfuryl alcohol polymers

73/00 Compositions of macromolecular compounds obtained by reactions forming a linkage containing oxygen or oxygen and carbon in the main chain, not provided for in groups C08L 59/00 - C08L 71/00; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

73/02 . Polyhanylydrides

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Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon...

79/00 Compositions of polyureas or polyurethanes; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

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79/06 Polyhydrazides; Polytriazoles; Polyamino-triazoles; Polyoxadiazoles

79/08 Polymides; Polyester-imides; Polyamide-imides; Polyamide acids or similar polyimide precursors

79/085 [Unsaturated polyimide precursors]

81/00 Compositions of 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; Compositions of polysulfones; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

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81/02 Polythioethers; Polythioether-ethers

81/04 Polysulfides

81/06 Polysulfones; Polyethersulfones

81/08 Polysulfonates

81/10 Polysulfonamides; Polysulfonimidates

83/00 Compositions of 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; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

75/00 Compositions of polyureas or polyurethanes; Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

75/02 Polyureas

75/04 Polyurethanes

75/06 from polyesters

75/08 from polyethers

75/10 from polyacets

75/12 from compounds containing nitrogen and active hydrogen, the nitrogen atom not being part of an isocyanate group

75/14 Polyurethanes having carbon-to-carbon unsaturated bonds

75/16 having terminal carbon-to-carbon unsaturated bonds

77/00 Compositions of polyamides obtained by reactions forming a carboxylic amide link in the main chain (of polyhydrazides C08L 79/06; of polyamideimides or polyamide acids C08L 79/08); Compositions of derivatives of such polymers

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

77/02 Polyamides derived from omega-amino carboxylic acids or from lactams thereof (C08L 77/10 takes precedence)

77/04 Polyamides derived from alpha-amino carboxylic acids (C08L 77/10 takes precedence)

77/06 Polyamides derived from polyamines and polycarboxylic acids (C08L 77/10 takes precedence)

77/08 from polyamines and polymerised unsaturated fatty acids

77/10 Polyamides derived from aromatically bound amino and carboxyl groups of amino-carboxylic acids or of polyanines and polycarboxylic acids

77/12 Polyester-amides

79/00 Compositions of 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 C08L 61/00 - C08L 77/00

NOTE
In this group, C-Sets are used.

The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

79/02 Polymides

79/04 Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyamide acids or similar polyimide precursors

83/02 Polyislicates

83/04 Polysiloxanes

83/06 containing silicon bound to oxygen-containing groups (C08L 83/12 takes precedence)

NOTE
This group does not comprise Si-OH and Si-OR groups that are classified in C08L 83/04.

83/08 containing silicon bound to organic groups containing atoms other than carbon, hydrogen and oxygen

83/10 Block- or graft-copolymers containing polysiloxane sequences (obtained by polymerising a compound having a carbon-to-carbon double bond on to a polysiloxane C08L 51/08; C08L 53/00)

83/12 containing polyether sequences

83/14 in which at least two but not all the silicon atoms are connected by linkages other than oxygen atoms (C08L 83/10 takes precedence)

83/16 in which all the silicon atoms are connected by linkages other than oxygen atoms
Compositions of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon... 

85/00 Compositions of macromolecular compounds obtained by reactions forming a linkage in the main chain of the macromolecule containing atoms other than silicon, sulfur, nitrogen, oxygen and carbon; Compositions of derivatives of such polymers

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

85/02 . containing phosphorus
85/04 . containing boron

87/00 Compositions of unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

87/005 . (Block or graft polymers not provided for in groups C08L 1/00 - C08L 85/04)

Compositions of natural macromolecular compounds or of derivatives thereof (of polysaccharides C08L 1/00 - C08L 5/00; of natural rubber C08L 7/00)

89/00 Compositions of proteins; Compositions of derivatives thereof (foodstuff preparations A23J 3/00)

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

89/005 . [Casein]
89/02 . Casein-aldehyde condensates
89/04 . Products derived from waste materials, e.g. horn, hoof or hair
89/06 . . derived from leather or skin . . e.g. gelatin

91/00 Compositions of oils, fats or waxes; Compositions of derivatives thereof

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

91/005 . [Drying oils]
91/02 . Vulcanised oils, e.g. factice
91/04 . Linoxyn
91/06 . Waxes
91/08 . . Mineral waxes

93/00 Compositions of natural resins; Compositions of derivatives thereof (of polysaccharides C08L 1/00 - C08L 5/00; of natural rubber C08L 7/00)

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

93/02 . Shellac (French polish C09F)
93/04 . Rosin

95/00 Compositions of bituminous materials, e.g. asphalt, tar, pitch

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

95/005 . [Aqueous compositions, e.g. emulsions]

97/00 Compositions of lignin-containing materials (of polysaccharides C08L 1/00 - C08L 5/00)

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

97/002 . [Peat, lignite, coal (ceramic products based on carbon or carbides C04B 35/00; working-up peat C10F 7/00; briquettes C10L 5/00)]
97/005 . [Lignin]
97/007 . [Cork]
97/02 . Lignocellulosic material, e.g. wood, straw or bagasse { (manufacture of articles made from lignocellulosic material by dry processes B27N) }

99/00 Compositions of natural macromolecular compounds or of derivatives thereof not provided for in groups C08L 89/00 - C08L 97/00

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

101/00 Compositions of unspecified macromolecular compounds

NOTE In this group, C-Sets are used. The detailed information about the C-Sets construction and the associated syntax rules is present in the Definitions of C08L.

101/005 . [Dendritic macromolecules]
101/02 . characterised by the presence of specified groups . . e.g. terminal or pendant functional groups]
101/025 . . [containing nitrogen atoms]
101/04 . . containing halogen atoms
101/06 . . containing oxygen atoms { (C08L 101/025 takes precedence) }

CPC - 2020.01
Compositions of natural macromolecular compounds or of derivatives thereof

Properties: Applications: Other features

2201/00  Properties
2201/02  Flame or fire retardant/resistant
2201/04  Antistatic
2201/06  Biodegradable
2201/08  Stabilised against heat, light or radiation or oxidation
2201/10  Transparent films; Clear coatings; Transparent materials
2201/12  Shape memory
2201/14  Gas barrier composition
2201/22  Halogen free composition
2201/50  Aqueous dispersion, e.g. containing polymers with a glass transition temperature (Tg) above 20°C
2201/52  Aqueous emulsion or latex, e.g. containing polymers of a glass transition temperature (Tg) below 20°C
2201/54  Aqueous solutions or dispersions
2201/56  Non-aqueous solutions or dispersions

Properties: Applications: Other features

2203/00  Applications
2203/02  for biomedical use
2203/10  used for bottles
2203/12  used for fibers
2203/14  used for foams
2203/16  used for films
2203/162  scalable films
2203/18  used for pipes
2203/20  use in electrical or conductive gadgets
2203/202  use in electrical wires or wirecoating
2203/204  use in solar cells
2203/206  use in coating or encapsulating of electronic parts
2203/30  used for thermoforming
2203/40  used as motor oil additive

2205/00  Polymer mixtures characterised by other features
2205/02  containing two or more polymers of the same C08L group
2205/025  containing two or more polymers of the same hierarchy C08L, and differing only in parameters such as density, comonomer content, molecular weight, structure
2205/03  containing three or more polymers in a blend
2205/035  containing four or more polymers in a blend
2205/04  containing interpenetrating networks
2205/05  containing polymer components which can react with one another
2205/06  having improved processability or containing aids for moulding methods
2205/08  containing additives to improve the compatibility between two polymers

2205/12  containing additives being liquid crystalline or anisotropic in the melt
2205/14  containing polymeric additives characterised by shape
2205/16  Fibres; Fibribils
2205/18  Spheres
2205/20  Hollow spheres
2205/22  Mixtures comprising a continuous polymer matrix in which are dispersed crosslinked particles of another polymer
2205/24  Crystallisation aids
2205/242  Beta spherulite nucleating agents

2207/00  Properties characterising the ingredient of the composition
2207/02  Heterotopic composition
2207/04  Thermoplastic elastomer
2207/06  Properties of polyethylene
2207/062  HDPE
2207/064  VLDPE
2207/066  LDPE (radical process)
2207/068  Ultra high molecular weight polyethylene
2207/07  Long chain branching
2207/10  Peculiar tacticity
2207/12  Syndiotactic polypropylene
2207/14  Amorphous or atactic polypropylene
2207/20  Recycled plastic
2207/22  Recycled asphalt
2207/24  recycling of old tyres and caoutchouc and addition of caoutchouc particles
2207/26  recycling of glass in bitumen
2207/32  containing low molecular weight liquid component
2207/322  Liquid component is processing oil
2207/324  Liquid component is low molecular weight polymer
2207/53  Core-shell polymer

2308/00  Chemical blending or stepwise polymerisation process with the same catalyst

2310/00  Masterbatches

2312/00  Crosslinking
2312/02  with dienes
2312/04  with phenolic resin
2312/06  by radiation
2312/08  by silane

2314/00  Polymer mixtures characterised by way of preparation
2314/02  Ziegler natta catalyst
2314/04  Philipps catalyst
2314/06  Metallocene or single site catalysts
2314/08  prepared by late transition metal, i.e. Ni, Pd, Pt, Co, Rh, Ir, Fe, Ru or Os, single site catalyst

2555/00  Characteristics of bituminous mixtures
2555/10  Design or test methods for bitumen or asphalt mixtures, e.g. series of measures, procedures or tests to obtain a bitumen or asphalt mixture having preset defined properties, general or international test methods, procedures or standards
2555/20  Mixtures of bitumen and aggregate defined by their production temperatures, e.g. production of asphalt for road or pavement applications
Properties; Applications; Other features

- Asphalt produced above 140°C, e.g. hot melt asphalt
- Asphalt produced between 100°C and 140°C, e.g. warm mix asphalt
- Asphalt produced between 65°C and 100°C, e.g. half warm mix asphalt, low energy asphalt produced at 95°C or low temperature asphalt produced at 90°C
- Asphalt produced between 0°C and below 65°C, e.g. cold mix asphalt produced between 0°C and 35°C
- Environmental or health characteristics, e.g. energy consumption, recycling or safety issues
- Recycled or waste materials, e.g. reclaimed bitumen, asphalt, roads or pathways, recycled roof coverings or shingles, recycled aggregate, recycled tires, crumb rubber, glass or cullet, fly or fuel ash, or slag
- Mixtures based upon bitumen or asphalt containing functional additives
- Inorganic non-macromolecular ingredients
- Aggregate, e.g. crushed stone, sand, gravel or cement
- Sulfur or carbon black
- Organic non-macromolecular ingredients, e.g. oil, fat, wax or natural dye
- From natural renewable resources
- Petrochemical based or extracted waxes, e.g. paraffin, Montan wax or cracked polyethylene wax
- Petrochemicals other than waxes, e.g. synthetic oils, diesel or other fuels, hydrocarbons, halogenated or otherwise functionalized hydrocarbons
- Macromolecular constituents
- From natural renewable resources, e.g. starch, cellulose, saw dust, straw, hair or shells
- Polymers comprising styrene, e.g. polystyrene, styrene-diene copolymers or styrene-butadiene-styrene copolymers
- Polymers containing aliphatic hydrocarbons only, e.g. polyethylene, polypropylene or ethylene-propylene-diene copolymers

Composition of polymers characterized by a further compound in the blend, being organic macromolecular compounds, natural resins, waxes or and bituminous materials, non-macromolecular organic substances, inorganic substances or characterized by their function in the composition (not used)

NOTE

Indexing codes of C08L 2666/00 have not been used for the classification of new documents since April 2012. However, they are used in C-Set searches for documents prior to April 2012. The detailed information about how to search using C08L 2666/00 C-Set is presented in the Definitions of C08L, C09D and C09J.

- Organic macromolecular compounds, natural resins, waxes or and bituminous materials
- Macromolecular compounds according to groups C08L 7/00 - C08L 49/00, or C08L 55/00 - C08L 57/00; Derivatives thereof
- Homopolymers or copolymers of unsaturated hydrocarbons; Derivatives thereof
- Homopolymers or copolymers according to C08L 7/00 - C08L 21/00; Derivatives thereof
- Homopolymers or copolymers not provided for in C08L 2666/06 - C08L 2666/10
- Macromolecular compounds according to C08L 5/00 - C08L 87/00; Derivatives thereof
- Addition or condensation polymers of aldehydes or ketones according to C08L 59/00 - C08L 61/00; Derivatives thereof
- Polymers or polycarbonates according to C08L 67/00 - C08L 69/00; Derivatives thereof
- Macromolecular compounds having nitrogen in the main chain according to C08L 7/00 - C08L 79/00; Derivatives thereof
- Macromolecular compounds not provided for in C08L 2666/16 - C08L 2666/20
- Graft or block copolymers according to groups C08L 51/00, C08L 53/00 or C08L 55/02; Derivatives thereof
- Natural polymers, natural resins or derivatives thereof according to C08L 1/00 - C08L 5/00, C08L 89/00, C08L 93/00, C08L 97/00 or C08L 99/00
- Non-macromolecular organic substances
- Hydrocarbons
- Halogen-containing compounds
- Oxygen-containing compounds, including ammonium and metal salts
- Nitrogen-containing compounds
- Sulfur-, selenium- or tellurium-containing compounds
- Phosphorus-containing compounds
- Compounds containing phosphorus and sulfur
- Silicon-containing compounds
- Boron-containing compounds
- Organo-metallic compounds, i.e. organic compounds containing a metal-to-carbon bond
- Arsenic- or antimony-containing compounds
- Metal-containing compounds
- Inorganic substances
- Carbon
- SiO2 or silicates
- Asbestos
- Clay
- Sulfur
- Substances characterised by their function in the composition
- Plasticizers; Solvents
- Organic dyes or pigments; Optical brightening agents
- Fillers; Inorganic pigments; Reinforcing additives
- Aggregates
<table>
<thead>
<tr>
<th>Code</th>
<th>Feature</th>
</tr>
</thead>
<tbody>
<tr>
<td>2666/76</td>
<td>Textured backings, e.g. woven or non-woven</td>
</tr>
<tr>
<td>2666/78</td>
<td>Stabilisers against oxidation, heat, light or ozone</td>
</tr>
<tr>
<td>2666/80</td>
<td>Metal-containing stabilizers</td>
</tr>
<tr>
<td>2666/82</td>
<td>Phosphorus-containing stabilizers</td>
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<tr>
<td>2666/84</td>
<td>Flame-proofing or flame-retarding additives</td>
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<tr>
<td>2666/86</td>
<td>Antistatics</td>
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