CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C09 DYSES; PAINTS; POLISHES; NATURAL RESINS; ADHESIVES; COMPOSITIONS NOT OTHERWISE PROVIDED FOR; APPLICATIONS OF MATERIALS NOT OTHERWISE PROVIDED FOR

C09J ADHESIVES; NON-MECHANICAL ASPECTS OF ADHESIVE PROCESSES IN GENERAL; ADHESIVE PROCESSES NOT PROVIDED FOR ELSEWHERE; USE OF MATERIAL AS ADHESIVES (surgical adhesives A61L 24/00; 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; preparation of glue or gelatine C09H; adhesive labels, tag tickets or similar identification of indication means G09F 3/10)

NOTES

1. In this subclass, the following terms or expressions are used with the meanings indicated:
   2. “use of materials as adhesives” means the use of known or new polymers or products;
      • “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 adhesives based on such macromolecular compounds);
      • “based on” is defined by means of Note 3, below.
   3. 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.
   4. 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; a n adhesive containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups C09J 123/06 and C09J 127/06.
   5. {An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups C09J 123/06 and C08K 5/544}
   6. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J}
   7. {In addition to note (5), C08L 2666/00 indexing codes were used for C-Sets classification of documents before April 2012 (see also C-Sets search rules in C08L, C09D, in C09J definition) }

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:
   • C09J 4/02 covered by C09J 4/00
   • C09J 4/04 covered by C09J 4/00
   • C09J 161/08 - C09J 161/10 covered by C09J 161/06
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.

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}

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Set construction and the associated syntax rules are found in the Definitions of C09J}

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

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Set construction and the associated syntax rules are found in the Definitions of C09J}

5/00 Adhesive processes in general; Adhesive processes not provided for elsewhere, e.g. relating to primers

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 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

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}


7/22 . Plastics; Metallised plastics

WARNING

Group C09J 7/22 is incomplete pending reclassification of documents from group 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
Adhesives based on polysaccharides or on their derivatives

101/00 Adhesives based on cellulose, modified cellulose, or cellulose derivatives

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

101/02 . . Cellulose; Modified cellulose
101/04 . . Oxy cellulose; 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)]

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

101/32 . . . Cellulose ether-esters

103/00 Adhesives based on starch, amylose or amylopectin or on their derivatives or degradation products

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

105/02 . . Dextran; Derivatives thereof
105/04 . . Alginate 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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

107/02 . . Latex

109/00 Adhesives based on homopolymers or copolymers of conjugated diene hydrocarbons

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

109/02 . . Copolymers with acrylonitrile
111/00 Adhesives based on homopolymers or copolymers of chloroprene

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

113/00 Adhesives based on rubbers containing carboxyl groups

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

115/00 Adhesives based on rubber derivatives (C09J 111/00, C09J 113/00 take precedence)

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

115/005 . . . Hydrogenated nitrile rubber

115/02 . . . Rubber derivatives containing halogen

117/00 Adhesives based on reclaimed rubber

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

119/00 Adhesives based on rubbers, not provided for in groups C09J 107/00 - C09J 117/00

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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

NOTE
- In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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 . . . Polyethylene

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 . . . . . . { Vinylvacacetate }

123/0861 . . . . . . { Saponified vinylvacacetate }

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
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

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 an aromatic carbocyclic ring; Adhesives based on derivatives of such polymers

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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 tetrafluoroethylene
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, aldehyde, 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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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 acetics or ketals obtained by polymerisation of unsaturated acetics 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 a halogen; Adhesives based on derivatives of such polymers

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

133/02 . Homopolymers or copolymers of acids; Metal or ammonium salts thereof
133/04 . Homopolymers or copolymers of esters
133/06 . of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical
133/06/2 . . . {Copolymers with monomers not covered by C09J 133/06}
133/06/4 . . . . {containing anhydride, COOH or COOM groups, with M being metal or onium-cation}
133/06/6 . . . . {containing -OH groups}
133/06/8 . . . . {containing glycidyl groups}
133/08 . . . Homopolymers or copolymers of acrylic acid esters
133/10 . . . Homopolymers or copolymers of methacrylic acid esters
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
133/18 . . . Homopolymers or copolymers of nitriles
133/20 . . . Homopolymers or copolymers of acrylonitrile (C09J 155/02 takes precedence)
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
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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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)
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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

139/02 . Homopolymers or copolymers of vinylamine
139/04 . Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
139/06 . . Homopolymers or copolymers of N-vinyl-pyrrolidones
139/08 . . Homopolymers or copolymers of vinyl-pyridine
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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J)

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

**NOTE**

(In this group, C-Sets are used for classification. The detailed information about the C-Sets
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

NOTE

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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

NOTE

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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))

151/006 . (grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds)

151/02 . (grafted on to polysaccharides)

151/04 . (grafted on to rubbers)

151/06 . (grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond)

151/08 . (grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds)

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

NOTE

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

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

NOTE

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

155/005 . (Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond)

155/02 . ABS [Acrylonitrile-Butadiene-Styrene] polymers

155/04 . Polyadducts obtained by the diene synthesis

157/00 Adhesives based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds

NOTE

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J.

157/02 . Copolymers of mineral oil hydrocarbons

157/04 . Copolymers in which only the monomer in minority is defined

157/06 . Homopolymers or copolymers containing elements other than carbon and hydrogen

157/08 . . containing halogen atoms

157/10 . . containing oxygen atoms

157/12 . . containing nitrogen atoms
Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds

159/00 Adhesives based on polyesteramides; Adhesives based on derivatives of polyacetals

NOTE

{[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

159/02 . Polyacetals containing polyoxymethylene sequences only

159/04 . Copolyoxymethylene

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

NOTE

{[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

161/02 . Condensation polymers of aldehydes or ketones only

161/04 . Condensation polymers of aldehydes or ketones with phenols only

161/06 . . of aldehydes with phenols

161/12 . . with polyhydric phenols

161/14 . . Modified phenol-aldehyde condensates

161/16 . . of ketones with phenols

161/18 . Condensation polymers of aldehydes or ketones with aromatic hydrocarbons or their halogen derivatives only

161/20 . Condensation polymers of aldehydes or ketones with only compounds containing hydrogen attached to nitrogen (with amino phenols C09J 161/04)

161/22 . . of aldehydes with acyclic or carbocyclic compounds

161/24 . . with urea or thiourea

161/26 . . of aldehydes with heterocyclic compounds

161/28 . . with melamine

161/30 . . of aldehydes with heterocyclic 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

NOTE

{[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

163/04 . Epoxynovolacs

163/06 . Triglycidylisocyanurates

163/08 . Epoxidised polymerised polynene

163/10 . Epoxy resins modified by unsaturated compounds

NOTE

{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.}

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

NOTE

{[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

165/02 . Polyphenylenes

165/04 . Polyxylylenes

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

NOTE

{In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

167/02 . Polysters derived from dicarboxylic acids and dihydroxy compounds (C09J 167/06 takes precedence)

167/03 . . [containing polyether sequences]

167/04 . . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings

167/06 . Polysters derived from hydroxyxcarboxylic acids, e.g. lactones (C09J 167/06 takes precedence)

167/07 . . having terminal carbon-to-carbon unsaturation

167/08 . . Polysters modified with higher fatty oils or their acids, or with natural resins or resin acids

169/00 Adhesives based on polycarbonates; Adhesives based on derivatives of polycarbonates

NOTE

{[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]}

169/005 . (Polyester-carbonates)
Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving...

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 polyether-ethers C09J 181/02; based on polyethersulfones C09J 181/06); Adhesives based on derivatives of such polymers

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

171/02 . Polyalkylene oxides
171/03 . Polyepihalohydrins
171/08 . Polymers derived from hydroxy compounds or from their metallic derivatives (C09J 171/02 takes precedence) [not used]
171/10 . from phenols [not used]
171/12 . Polyphenylene oxides
171/14 . Furfuryl alcohol polymers

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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

173/02 . Polyanhydrides

175/00 Adhesives based on polyureas or polyurethanes; Adhesives based on derivatives of such polymers

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

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; Polylamino-triazoles; Polyoxadiazoles
179/08 . Polyimides; Polyester-imides; Polyamide-imides; Polycarboxylic 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

NOTE

[In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of C09J]

181/02 . Polythioethers; Polythioether-ethers
181/04 . Polysulfides
181/06 . Polysulfones; Polyethersulfones
181/08 . Polysulfonates
Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving...

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 group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

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 183/12 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

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

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

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

187/005 . Block or graft polymers not provided for in groups [C09J 101/00 - C09J 185/04](#)

189/00  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](#))

189/005 . (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

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

191/005 . (Drying oils)
191/02  . Vulcanised oils, e.g. factice
191/04  . Linoxyn
191/06  . Waxes
191/08  . Mineral waxes

193/00  Adhesives based on natural resins; Adhesives based on derivatives thereof

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

193/02  . Shellac
193/04  . Rosin

195/00  Adhesives based on bituminous materials, e.g. asphalt, tar, pitch

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

195/005 . Aqueous compositions, e.g. emulsions

197/00  Adhesives based on lignin-containing materials (based on polysaccharides [C09J 101/00 - C09J 105/00](#))

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

197/005
Adhesives based on natural macromolecular compounds or on derivatives thereof

<table>
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<tr>
<td>199/00</td>
<td>Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 101/00 to C09J 107/00 or C09J 189/00 to C09J 197/00</td>
</tr>
</tbody>
</table>

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

| 201/00 | Adhesives based on unspecified macromolecular compounds |

**NOTE**

In this group, C-Sets are used for classification. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions of [C09J](#).

| 2201/618 | the adhesive losing adhesive strength when being stretched, e.g. stretch adhesive |
| 2201/622 | the parameters being the characterising features |
| 2201/626 | the adhesive effect being based on a so-called Gecko structure |

### Applications

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<td>in the form of dowels, anchors or cartridges</td>
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<td>2203/30</td>
<td>Use of the adhesive tape</td>
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<td>for bundling cables</td>
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<td>2203/306</td>
<td>for protecting painted surfaces, e.g. of cars</td>
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<td>as a masking tape for painting</td>
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<td>2203/326</td>
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<tr>
<td>2203/334</td>
<td>as a label</td>
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<td>2203/338</td>
<td>as tamper-evident tape or label</td>
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### Other features

<table>
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<th>2205/00</th>
<th>Other features</th>
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<td>of adhesive tapes; Production process thereof</td>
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<tr>
<td>2205/102</td>
<td>additives as essential feature of the adhesive layer, the additive itself being indicated with the corresponding code of <a href="#">C08K</a></td>
</tr>
<tr>
<td>2205/106</td>
<td>additives as essential feature of the substrate, the additive itself being indicated by the corresponding code of <a href="#">C08K</a></td>
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<tr>
<td>2205/11</td>
<td>Presence of microspheres</td>
</tr>
<tr>
<td>2205/114</td>
<td>Presence of a copolymer</td>
</tr>
</tbody>
</table>

**NOTE**

This group is to be used in combination with combined indexing codes of C09J 2401/00 to C09J 2499/00 in case a copolymer is present but not a blend |

| 2205/30 | of adhesive processes in general |
| 2205/302 | Process for debonding adherents |
| 2205/306 | Process of pretreatment for improving adhesion of rubber on metallic surfaces |
| 2205/31 | Use of irradiation |

### Presence of inorganic and organic materials

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<th>2400/00</th>
<th>Presence of inorganic and organic materials</th>
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<td>Presence of inorganic materials</td>
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<td>Ceramic</td>
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<tr>
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<tr>
<td>2400/126</td>
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<tr>
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<td>in the pretreated surface to be joined</td>
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<tr>
<td>2400/20</td>
<td>Presence of organic materials</td>
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<tr>
<td>2400/22</td>
<td>Presence of unspecified polymer</td>
</tr>
<tr>
<td>2400/221</td>
<td>in the barrier layer</td>
</tr>
<tr>
<td>2400/223</td>
<td>in the primer coating</td>
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</tbody>
</table>
Presence of rubbers containing carboxyl groups

2413/001 . in the barrier layer
2413/003 . in the primer coating
2413/005 . in the release coating
2413/006 . in the substrate
2413/008 . in the pretreated surface to be joined

Presence of diene rubber

2409/001 . in the barrier layer
2409/003 . in the primer coating
2409/005 . in the release coating
2409/006 . in the substrate
2409/008 . in the pretreated surface to be joined

Presence of chloroprene

2411/001 . in the barrier layer
2411/003 . in the primer coating
2411/005 . in the release coating
2411/006 . in the substrate
2411/008 . in the pretreated surface to be joined

Presence of rubbers containing carboxyl groups

2413/001 . in the barrier layer
2413/003 . in the primer coating
2413/005 . in the release coating
2413/006 . in the substrate
2413/008 . in the pretreated surface to be joined

Presence of cellulose

2401/001 . in the barrier layer
2401/003 . in the primer coating
2401/005 . in the release coating
2401/006 . in the substrate
2401/008 . in the pretreated surface to be joined

Presence of starch

2403/001 . in the barrier layer
2403/003 . in the primer coating
2403/005 . in the release coating
2403/006 . in the substrate
2403/008 . in the pretreated surface to be joined

Presence of polylaccaharides

2405/001 . in the barrier layer
2405/003 . in the primer coating
2405/005 . in the release coating
2405/006 . in the substrate
2405/008 . in the pretreated surface to be joined

Presence of natural rubber

2407/001 . in the barrier layer
2407/003 . in the primer coating
2407/005 . in the release coating
2407/006 . in the substrate
2407/008 . in the pretreated surface to be joined

Presence of polyolefin

2423/001 . in the barrier layer
2423/003 . in the primer coating
2423/005 . in the release coating
2423/006 . in the substrate
2423/008 . in the pretreated surface to be joined

Presence of polyvinyl alcohol

2429/001 . in the barrier layer
2429/003 . in the primer coating

Presence of rubber derivatives

2415/001 . in the barrier layer
2415/003 . in the primer coating
2415/005 . in the release coating
2415/006 . in the substrate
2415/008 . in the pretreated surface to be joined

Presence of reclaimed rubber

2417/001 . in the barrier layer
2417/003 . in the primer coating
2417/005 . in the release coating
2417/006 . in the substrate
2417/008 . in the pretreated surface to be joined

Presence of unspecified rubber

2421/001 . in the barrier layer
2421/003 . in the primer coating
2421/005 . in the release coating
2421/006 . in the substrate
2421/008 . in the pretreated surface to be joined

Presence of styrenic polymer

2425/001 . in the barrier layer
2425/003 . in the primer coating
2425/005 . in the release coating
2425/006 . in the substrate
2425/008 . in the pretreated surface to be joined

Presence of halogenated polymer

2427/001 . in the barrier layer
2427/003 . in the primer coating
2427/005 . in the release coating
2427/006 . in the substrate
2427/008 . in the pretreated surface to be joined

Presence of polyvinyl alcohol

2429/001 . in the barrier layer
2429/003 . in the primer coating
Presence of polyvinyl acetate
- in the release coating
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of (meth)acrylic polymer
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of graft polymer
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of ABS
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyacetal
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of condensation polymers of aldehydes or ketones
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of epoxy resin
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyphenylene
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate

Presence of protein
- in the pretreated surface to be joined

Presence of polyester
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polycarbonate
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyether
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyurethane
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyamide
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polyamine or polyimide
- polyamine
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of sulfur containing polymers
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of polysiloxane
- in the barrier layer
- in the primer coating
- in the release coating
- in the substrate
- in the pretreated surface to be joined

Presence of protein
Presence of oils, fats or waxes
- Presence in the barrier layer
- Presence in the primer coating
- Presence in the release coating
- Presence in the substrate
- Presence in the pretreated surface to be joined

Presence of natural resin
- Presence in the barrier layer
- Presence in the primer coating
- Presence in the release coating
- Presence in the substrate
- Presence in the pretreated surface to be joined

Presence of bitume
- Presence in the barrier layer
- Presence in the primer coating
- Presence in the release coating
- Presence in the substrate
- Presence in the pretreated surface to be joined

Presence of lignin
- Presence in the barrier layer
- Presence in the primer coating
- Presence in the release coating
- Presence in the substrate
- Presence in the pretreated surface to be joined

Presence of natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 2489/00 - C09J 2497/00
- Presence in the barrier layer
- Presence in the primer coating
- Presence in the release coating
- Presence in the substrate
- Presence in the pretreated surface to be joined