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 MATERIALS AS ADHESIVES (surgical adhesives A61L 24/00; processes for applying liquids or other fluent materials to surfaces in general B05D; 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; organic macromolecular compounds C08; production of multi-layer textile fabrics D06M 17/00; 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:
   • “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.

2. 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.

3. 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.
   An adhesive containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups C09J 123/06 and C09J 127/06.

4. An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups C09J 123/06 and C08K 5/544

5. Documents classified up until 09-2003: Classification is given in the form of C-Sets. The polymer in majority is given a C09J 101/00 - C09J 201/10 symbol, and the minor components are characterised by Indexing Codes taken from the list below. The Indexing Codes are linked. The polymer in majority is always first in the C-set.
   List of C08L codes: C08L 23/00, C08L 23/26, C08L 25/00, C08L 27/00, C08L 27/04, C08L 27/12, C08L 29/00, C08L 31/00, C08L 33/00, C08L 35/00, C08L 37/00, C08L 51/00, C08L 53/00, C08L 55/02, C08L 61/04, C08L 61/20, C08L 63/00, C08L 67/00, C08L 67/02, C08L 67/25, C08L 67/30, C08L 67/04, C08L 67/06, C08L 67/07, C08L 69/00, C08L 69/005, C08L 71/00, C08L 75/04, C08L 77/00, C08L 77/08, C08L 77/12, C08L 79/08, C08L 79/085, C08L 81/00, C08L 83/00, C08L 85/00, C08L 91/06, C08L 95/00 or C08L 2666/00 - C08L 2666/86. An additive is classified in the last appropriate place in the list as selected for each C09J group. Examples:
C09J

C09J (continued)

a. An adhesive composition based on a polyamide and a graft polymer is classified in (C09J 177/00, C08L 2666/24).
b. An adhesive composition based on polyvinylchloride and containing CaCO3 is classified according to note 4 of C08K, i.e. in C08K 3/26 and C09J 127/06. If this adhesive composition contains also a polyamide, then the classification will be (C09J 127/06, C08L 77/00, C08K 3/26).
c. An adhesive composition based on a polysiloxane (C09J 183/04) and containing a second polysiloxane, a phenol and silica is classified in (C09J 183/04, C08L 83/04, C08L 2666/34, C08L 2666/54).

6. From April 2012, after the notation C09J 4/00, classification concerning the monomer may be added, in the form of C-sets.

Ex. 1: An adhesive based on methylmethacrylate monomer is classified in (C09J 4/00, C08F 220/00).
Ex. 2: An adhesive based on a dialkoxysilane monomer compound is classified in (C09J 4/00, C08G 77/04).

7. From 01.09.2003 until April 2012: Classification is given in the form of C-Sets. The polymer in majority is given a C08L class, and the minor components are characterised by Indexing Codes taken from C08L or C08K and they are linked or unlinked. The polymer in majority is always first in the C-set. List of indexing codes in the C-Sets: C08L 1/00, C08L 81/00, C08L 83/00, C08L 91/06, C08L 95/00 or C08L 2666/02 - C08L 2666/08, C08L 2666/14 - C08L 2666/26. Examples:

a. An adhesive blend of 60 parts polyvinylchloride (C09J 127/06) and 40 parts polyamide is classified in (C09J 127/06, C08L 2666/20, C08L 77/00).
b. An adhesive blend of 50 parts polyvinylchloride (C09J 127/06) and 50 parts polyamide (C09J 177/00) is classified in (C09J 127/06, C08L 2666/20, C09J 177/00, C08L 2666/04, C08L 77/00 and C08L 27/06).
c. An adhesive composition based on polyvinylchloride and containing CaCO3 is classified according to [N: Note 4 of C08K, i.e. in C08K 3/26, C09J 127/06]. If this composition contains also a polyamide, then the classification will be (C09J 127/06, C08L 2666/20 and C08K 3/26).
d. A composition based on a first polysiloxane (C09J 183/04) and containing a second polysiloxane, a phenol and silica is classified in (C09J 183/04, C08L 83/00, C08K 5/13, C08K 3/36) and C08L 220/02.

8. From April 2012 onwards, after the notation of groups C09J 101/00 - C09J 201/00, notations concerning the other constituents of the adhesive composition may be added, in the form of C-sets. The further constituent is added with an indexing code. The indexing codes are chosen from C08L 1/00 - C08L 2666/02 or C08K and they may be linked or unlinked: - C08L 1/00 - C08L 2666/02 are linked. - C08L 220/00 - C08L 2666/02 are unlinked. The polymer in majority is always first in the C-set.

Examples:

a. An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups C09J 123/06 and C08K 5/544 (unlinked).
b. An adhesive containing 80 parts of polyethene and 20 parts of polyvinylchloride is classified in group (C09J 123/06, C08L 27/06).
c. An adhesive containing 40 parts of polyethene and 40 parts of polyvinylchloride is classified in groups (C09J 123/06, C08L 27/06) and (C09J 127/06, C08L 23/06).
d. An adhesive containing 90% of polysiloxane (C09J 183/04) further containing of polyester (C08L 67/00) and an alcohol is classified in (C09J 183/04, C08L 67/00, C08K 5/05).

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 132/06
   - C09J 4/04 covered by C09J 132/06
   - C09J 161/08 covered by C09J 132/06
   - C09J 163/02 covered by C09J 163/00
   - C09J 183/05 covered by C09J 132/06
   - C09J 183/07 covered by C09J 132/06

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
   - 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}
   - (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

5/00 Adhesive processes in general; Adhesive processes not provided for elsewhere, e.g. relating to primers (devices for applying glue to surfaces to be joined B05, B27G 11/00)
   - involving pretreatment of the surfaces to be joined
   - involving separate application of adhesive ingredients to the different surfaces to be joined
   - involving heating of the applied adhesive
   - using foamed adhesives
   - joining materials by welding overlapping edges with an insertion of plastic material
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.

7/29 . . . 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
7/32 . . . Water-activated [adhesive], e.g. for gummed paper
7/35 . . . Heat-activated
7/38 . . . Pressure-sensitive adhesives [PSA]
7/381 . . . [based on macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds]
7/383 . . . [Natural or synthetic rubber]
7/385 . . . [Acrylic polymers]
7/387 . . . [Block-copolymers]
7/40 . . . characterised by release liners
7/401 . . . [characterised by the release coating composition]
7/403 . . . [characterised by the structure of the release feature]
7/405 . . . [characterised by the substrate of the release liner]
7/50 . . . characterised by a primer layer between the carrier and the adhesive

9/00 Adhesives characterised by their physical nature or the effects produced, e.g. glue sticks (C09J 7/00 takes precedence)
9/005 . . . [Glue sticks]
9/02 . . . Electrically-conducting adhesives

11/00 Features of adhesives not provided for in group C09J 9/00, e.g. additives
11/02 . . . Non-macromolecular additives
11/04 . . . inorganic
11/06 . . . organic
11/08 . . . Macromolecular additives

Adhesives based on polysaccharides or on their derivatives

101/00 Adhesives based on cellulose, modified cellulose, or cellulose derivatives
101/02 . . . Cellulose; Modified cellulose
101/04 . . . Oxycellulose; 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
Adhesives based on polysaccharides or on their derivatives

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

103/02 . . . . Starch; Degradation products thereof, e.g. dextrin
103/04 . . . . Starch derivatives
103/06 . . . . Esters
103/08 . . . . Others
103/10 . . . Oxidised starch
103/12 . . . Amylose; Amylopectin; Degradation products thereof
103/14 . . . Amylose derivatives; Amylopectin derivatives
103/16 . . . . Esters
103/18 . . . . Others
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

105/02 . . . . Dextran; Derivatives thereof
105/04 . . . . Algicin 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 . . . . Cellulose ether-esters; Derivatives thereof

Adhesives based on rubbers or on their derivatives

107/00 Adhesives based on natural rubber

107/02 . . . . Latex

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

109/02 . . . . Copolymers with acrylonitrile
109/04 . . . . Latex
109/06 . . . . Copolymers with styrene
109/08 . . . . Latex
109/10 . . . . Latex (C09J 109/04, C09J 109/08 take precedence)

111/00 Adhesives based on homopolymers or copolymers of chloroprene

111/02 . . . . Latex

113/00 Adhesives based on rubbers containing carboxyl groups

113/02 . . . . Latex

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

115/005 . . [Hydrogenated nitrile rubber]
115/02 . . Rubber derivatives containing halogen

117/00 Adhesives based on reclaimed rubber

119/00 Adhesives based on rubbers, not provided for in groups C09J 107/00 - C09J 117/00
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

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 155/06, C09J 135/08 take 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
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 single or double bond to nitrogen or by a heterocyclic ring containing nitrogen; Adhesives based on derivatives of such polymers
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
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-vinylpyrrolidones
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
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
143/02 . . Homopolymers or copolymers of monomers containing phosphorus
143/04 . . Homopolymers or copolymers of monomers containing silicon

145/00 Adhesives based on homopolymers or copolymers of compounds having no unsaturated aliphatic radicals in a side chain, and having one or more carbon-to-carbon double bonds in a carboxyclic or in a heterocyclic system; Adhesives based on derivatives of such polymers (based on polymers of cyclic esters of polyfunctional acids C09J 131/00; based on polymers of cyclic anhydrides or imides C09J 135/00)
145/02 . . Coumarone-indene polymers

147/00 Adhesives based on homopolymers or copolymers of compounds having one or more unsaturated aliphatic radicals, at least one having two or more carbon-to-carbon double bonds; Adhesives based on derivatives of such polymers (C09J 145/00 takes precedence; based on conjugated diene rubbers C09J 109/00, C09J 121/00)
149/00 Adhesives based on homopolymers or copolymers of compounds having one or more carbon-to-carbon triple bonds; Adhesives based on derivatives of such polymers
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
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
153/005 . . (Modified block copolymers)
153/02 . . Vinyl aromatic monomers and conjugated dienes
153/025 . . (modified)
Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon...

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

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

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 polyacetics; Adhesives based on derivatives of polyacetics

159/02 . Polyacetics containing polyoxymethylene sequences only

159/04 . Copolyoxymethylene

161/00 Adhesives based on condensation polymers of aldehydes or ketones (with polyalcohols C09J 159/00; with polynitrites C09J 177/00); Adhesives based on derivatives of such polymers

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 and 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

163/04 . Epoxy novolacs

163/06 . Triglycidylisocyanurates

163/08 . Epoxidised polymerised polyenes

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

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

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

167/025 . (containing polyether sequences)

167/03 . the dicarboxylic acids and dihydroxy compounds having the carboxyl - and the hydroxy groups directly linked to aromatic rings

167/04 . Polysters derived from hydroxy-carboxylic acids, e.g. lactones (C09J 167/06 takes precedence)

167/06 . Unsaturated polyesters having carbon-to-carbon unsaturation

167/07 . having terminal carbon-to-carbon unsaturated bonds

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

169/005 . [Polyester-carbonates]

171/00 Adhesives based on polyethers obtained by reactions forming an ether link in the main chain (based on polyacetics C09J 159/00; based on epoxy resins C09J 163/00; based on polythyioether-ethers C09J 181/02; based on polyethersulfones C09J 181/06); Adhesives based on derivatives of such polymers

171/02 . Polyalkylene oxides

171/03 . Polyepihalohydrins

171/08 . Polyethers 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
Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving...

173/02 . Polyanhydrides
175/00 Adhesives based on polyureas or polyurethanes; Adhesives based on derivatives of such polymers
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
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 polyanimes 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
179/02 . Polymines
179/04 . Polycondensates having nitrogen-containing heterocyclic rings in the main chain; Polyhydrazides; Polyaamide acids or similar polimide precursors
179/06 . . Polyhydrazides; Polytiazoles; Polyaamino-triazoles; Polyoxydiazoles
179/08 . . Polymides; Polyester-imides; Polyaamide-imides; Polyaamide acids or similar polimide 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
181/02 . Polytioethers; Polythioether-ethers
181/04 . Polysulfides
181/06 . Polysulfones; Polyethersulfones
181/08 . Polysulfonates
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 main group, from 01.09.2010 onwards, new documents are classified according to the following system. The adhesive is identified with the previous existing ECLA+(B) notation, e.g. C09J 183/04 +B4S (for an adhesive containing two or more siloxanes), while the information as to which different polymers are present in the adhesive is identified with additional indexing codes, e.g. C08G 77/12 and C08G 77/20
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 183/10 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
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
187/005 . (Block or graft polymers not provided for in groups C09J 101/00 - C09J 185/04)

Adhesives based on natural macromolecular compounds or on derivatives thereof (based on polysaccharides C09J 101/00 - C09J 105/10; based on natural rubber C09J 107/00)
189/00 Adhesives based on proteins; Adhesives based on derivatives thereof (foodstuff preparations A23J 3/00)
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
Adhesives based on natural macromolecular compounds or on derivatives thereof

Adhesives based on oils, fats or waxes; Adhesives based on derivatives thereof (polishing compositions, ski waxes C09G; soaps, detergent compositions C11D)

Adhesives based on natural resins; Adhesives based on derivatives thereof (polishing compositions C09G)

Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 189/00 - C09J 197/00

Adhesives based on unspecified macromolecular compounds

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

Adhesives based on lignin-containing materials

Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 189/00 - C09J 197/00

Applications

Other features

NOTE

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

Presence of inorganic and organic materials

Adhesives based on oils, fats or waxes; Adhesives based on derivatives thereof (polishing compositions, ski waxes C09G; soaps, detergent compositions C11D)
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2401/00</td>
<td>Presence of cellulose</td>
</tr>
<tr>
<td>2403/00</td>
<td>Presence of starch</td>
</tr>
<tr>
<td>2405/00</td>
<td>Presence of polysaccharides</td>
</tr>
<tr>
<td>2407/00</td>
<td>Presence of natural rubber</td>
</tr>
<tr>
<td>2409/00</td>
<td>Presence of diene rubber</td>
</tr>
<tr>
<td>2411/00</td>
<td>Presence of chloroprene</td>
</tr>
<tr>
<td>2413/00</td>
<td>Presence of rubbers containing carboxyl groups</td>
</tr>
<tr>
<td>2415/00</td>
<td>Presence of rubber derivatives</td>
</tr>
<tr>
<td>2417/00</td>
<td>Presence of reclaimed rubber</td>
</tr>
<tr>
<td>2421/00</td>
<td>Presence of unspecified rubber</td>
</tr>
<tr>
<td>2423/00</td>
<td>Presence of polyolefin</td>
</tr>
<tr>
<td>2425/00</td>
<td>Presence of styrenic polymer</td>
</tr>
<tr>
<td>2427/00</td>
<td>Presence of halogenated polymer</td>
</tr>
</tbody>
</table>

**Notes:**
- Presence of organic materials
- Presence of unspecified polymer
- Presence in the substrate
- Presence in the primer coating
- Presence in the release coating
- Presence in the barrier layer
- Presence in the pretreated surface to be joined
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2427/006</td>
<td>Presence of polyvinyl alcohol, in the substrate</td>
</tr>
<tr>
<td>2427/008</td>
<td>Presence of polyvinyl acetate, in the substrate</td>
</tr>
<tr>
<td>2429/00</td>
<td>Presence of polysiloxane, in the substrate</td>
</tr>
<tr>
<td>2431/00</td>
<td>Presence of (meth)acrylic polymer, in the substrate</td>
</tr>
<tr>
<td>2451/00</td>
<td>Presence of graft polymer, in the substrate</td>
</tr>
<tr>
<td>2453/00</td>
<td>Presence of block copolymer, in the substrate</td>
</tr>
<tr>
<td>2455/00</td>
<td>Presence of ABS, in the substrate</td>
</tr>
<tr>
<td>2459/00</td>
<td>Presence of polyacetal, in the substrate</td>
</tr>
<tr>
<td>2461/00</td>
<td>Presence of condensation polymers of aldehydes or ketones, in the substrate</td>
</tr>
<tr>
<td>2463/00</td>
<td>Presence of epoxy resin, in the substrate</td>
</tr>
<tr>
<td>2465/00</td>
<td>Presence of polyphenylene, in the substrate</td>
</tr>
<tr>
<td>2467/00</td>
<td>Presence of polyester, in the substrate</td>
</tr>
<tr>
<td>2469/00</td>
<td>Presence of polycarbonate, in the substrate</td>
</tr>
<tr>
<td>2471/00</td>
<td>Presence of polyether, in the substrate</td>
</tr>
<tr>
<td>2475/00</td>
<td>Presence of polyurethane, in the substrate</td>
</tr>
<tr>
<td>2477/00</td>
<td>Presence of polyamide, in the substrate</td>
</tr>
<tr>
<td>2479/00</td>
<td>Presence of polyaniline or polyimide, in the substrate</td>
</tr>
<tr>
<td>2481/00</td>
<td>Presence of sulfur containing polymers, in the substrate</td>
</tr>
<tr>
<td>2483/00</td>
<td>Presence of polysiloxane, in the substrate</td>
</tr>
</tbody>
</table>

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in the barrier layer
2483/003. in the primer coating
2483/005. in the release coating
2483/006. in the substrate
2483/008. in the pretreated surface to be joined

Presence of protein
2489/001. in the barrier layer
2489/003. in the primer coating
2489/005. in the release coating
2489/006. in the substrate
2489/008. in the pretreated surface to be joined

Presence of oils, fats or waxes
2491/001. in the barrier layer
2491/003. in the primer coating
2491/005. in the release coating
2491/006. in the substrate
2491/008. in the pretreated surface to be joined

Presence of natural resin
2493/001. in the barrier layer
2493/003. in the primer coating
2493/005. in the release coating
2493/006. in the substrate
2493/008. in the pretreated surface to be joined

Presence of bitume
2495/001. in the barrier layer
2495/003. in the primer coating
2495/005. in the release coating
2495/006. in the substrate
2495/008. in the pretreated surface to be joined

Presence of lignin
2497/001. in the barrier layer
2497/003. in the primer coating
2497/005. in the release coating
2497/006. in the substrate
2497/008. 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
2499/001. in the barrier layer
2499/003. in the primer coating
2499/005. in the release coating
2499/006. in the substrate
2499/008. in the pretreated surface to be joined