CPC  COOPERATIVE PATENT CLASSIFICATION

C  CHEMISTRY; METALLURGY

(COTES omitted)

CHEMISTRY

C09  DYES; 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;
   a. “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);
   b. “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.
   a. Example: an adhesive containing polyethylene and amino-propyltrimethoxysilane is classified in group C09J 123/06.
   b. 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.
   c. Example: an adhesive containing polyethylene and styrene monomer is classified in group C09J 4/06.
   d. 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.
   e. 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.
   a. 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:
   a. C09J 4/02  covered by C09J 4/00
   b. C09J 4/04  covered by C09J 4/00
   c. C09J 161/08 - C09J 161/10  covered by C09J 161/06
   d. C09J 163/02  covered by C09J 163/00
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-Sets 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-Sets 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

**WARNING**

Group \( C09J\ 7/10 \) is incomplete pending reclassification of documents from group \( C09J\ 7/00 \).
Groups \( C09J\ 7/00 \) and \( C09J\ 7/10 \) should be considered in order to perform a complete search.

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)
7/21 . . Paper; Textile fabrics
7/22 . . Plastics; Metallised plastics

**WARNING**

Group \( C09J\ 7/22 \) is incomplete pending reclassification of documents from groups \( C09J\ 7/28 \) 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 . . Laminted 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; Hydro cellulose
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-butryate
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)]
Adhesives based on rubbers or on their derivatives

121/02 . Latex

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 polynes, 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 . . . . . [Vinylacetate]
123/0861 . . . . . . [Saponified vinylacetate]
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)

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)
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...

C09J 143/00 (continued)

construction and the associated syntax rules are found in the Definitions of C09J.

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 carbocyclic 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)

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)

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)

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)

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

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 polyacets; Adhesives based on derivatives of polyacets

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  . Polyacets 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 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

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 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

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  . Polyxylxlenes

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  . Polyesters 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  . Polyesters derived from hydroxy carboxylic acids, e.g. lactones (C09J 167/06 takes precedence)
167/07  . . Unsaturated polyesters having carbon-to-carbon unsaturation
167/08  . . having terminal carbon-to-carbon unsaturated bonds
167/09  . . Polyesters 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...

**NOTE**

...Adhesives based on polyureas or polyurethanes; Adhesives based on derivatives of such polymers

**NOTE**

...Adhesives based on polyurethanes having carbon-to-carbon unsaturated bonds

**NOTE**

...Polyalkylene oxides

**NOTE**

...Polyanhydrides

**NOTE**

...Polyurethanes having carbon-to-carbon unsaturated bonds

**NOTE**

...Polythioethers; Polythioether-ethers

**NOTE**

...Polyureas
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}.

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

189/00  Adhesives based on proteins; 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}.

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}.
Adhesives based on natural macromolecular compounds or on derivatives thereof  

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]  

2203/00 Applications  
2203/10 . . . Use of the adhesive composition in processes  
2203/102 . . . in the form of dowels, anchors or cartridges  
2203/30 . . . Use of the adhesive tape  
2203/302 . . . for bundling cables  
2203/306 . . . for protecting painted surfaces, e.g. of cars  
2203/31 . . . as a masking tape for painting  
2203/314 . . . for carpets  
2203/318 . . . for the production of liquid crystal displays  
2203/322 . . . for the production of solar panels  
2203/326 . . . for bonding electronic components such as wafers, chips or semiconductors  
2203/33 . . . for batteries or fuel cells  
2203/334 . . . as a label  
2203/338 . . . as tamper-evident tape or label  
2203/342 . . . for flying splice applications  

2205/00 Other features  
2205/10 . . . of adhesive tapes; Production process thereof  
2205/102 . . . additives as essential feature of the adhesive layer, the additive itself being indicated with the corresponding code of C08K  
2205/106 . . . additives as essential feature of the substrate, the additive itself being indicated by the corresponding code of C08K  
2205/11 . . . Presence of microspheres  
2205/114 . . . Presence of a copolymer  

**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  

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  

2400/00 Presence of inorganic and organic materials  
2400/10 . . . Presence of inorganic materials  
2400/12 . . . Ceramic  
2400/123 . . . in the substrate  
2400/126 . . . in the pretreated surface to be joined  
2400/14 . . . Glass  
2400/143 . . . in the substrate  
2400/146 . . . in the pretreated surface to be joined  
2400/16 . . . Metal  
2400/163 . . . in the substrate  
2400/166 . . . in the pretreated surface to be joined  
2400/20 . . . Presence of organic materials  
2400/22 . . . Presence of unspecified polymer  
2400/221 . . . in the barrier layer  
2400/223 . . . in the primer coating
### Presence of rubbers containing carboxyl groups

<table>
<thead>
<tr>
<th>Code</th>
<th>Presence</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2413/001</td>
<td>.</td>
<td>in the barrier layer</td>
</tr>
<tr>
<td>2413/003</td>
<td>.</td>
<td>in the primer coating</td>
</tr>
<tr>
<td>2413/005</td>
<td>.</td>
<td>in the release coating</td>
</tr>
<tr>
<td>2413/006</td>
<td>.</td>
<td>in the substrate</td>
</tr>
<tr>
<td>2413/008</td>
<td>.</td>
<td>in the pretreated surface to be joined</td>
</tr>
</tbody>
</table>

### Presence of chloroprene

<table>
<thead>
<tr>
<th>Code</th>
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</thead>
<tbody>
<tr>
<td>2411/001</td>
<td>.</td>
<td>in the barrier layer</td>
</tr>
<tr>
<td>2411/003</td>
<td>.</td>
<td>in the primer coating</td>
</tr>
<tr>
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<td>.</td>
<td>in the release coating</td>
</tr>
<tr>
<td>2411/006</td>
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<td>in the substrate</td>
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<tr>
<td>2411/008</td>
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### Presence of digene rubber

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### Presence of rubbers containing carboxyl groups

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<thead>
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<tr>
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### Presence of polyvinyl alcohol

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<tr>
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<tr>
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### Presence of unspecified rubber

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<thead>
<tr>
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<tbody>
<tr>
<td>2421/001</td>
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### Presence of polyolefin

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### Presence of rubber derivatives

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<tr>
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<tr>
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Presence of polyvinyl acetate
- 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 block copolymer
- 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
C09J

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

2491/00 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

2493/00 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

2495/00 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

2497/00 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

2499/00 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