

CPC COOPERATIVE PATENT CLASSIFICATION

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 polyethene 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 polyethene 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 polyethene and 20 parts of polyvinylchloride is classified in group [C09J 123/06](#); An adhesive containing 40 parts of polyethene 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 67/025](#), [C08L 67/03](#), [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:
- 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. The notation is selected from [C08F 210/00](#) - [C08F 246/00](#), [C08G 77/00](#) - [C08G 77/04](#) or [C08G 77/20](#) - [C08G 77/30](#).

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:
- 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](#).
 - 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](#).
 - 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](#).
 - 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 2205/02](#).
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 2555/86](#) or [C08K](#) and they may be linked or unlinked: - [C08L 1/00](#) - [C08L 101/16](#) are linked. - [C08L 2201/00](#) - [C08L 2555/86](#) are unlinked. The polymer in majority is always first in the C-set.

Examples:

- An adhesive composition containing polyethylene and amino-propyltrimethoxysilane is classified in groups [C09J 123/06](#) and [C08K 5/544](#) (unlinked).
- An adhesive containing 80 parts of polyethylene and 20 parts of polyvinylchloride is classified in group ([C09J 123/06](#), [C08L 27/06](#)).
- An adhesive containing 40 parts of polyethylene and 40 parts of polyvinylchloride is classified in groups ([C09J 123/06](#), [C08L 27/06](#)) and ([C09J 127/06](#), [C08L 23/06](#)).
- 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](#)).

WARNING

The following IPC group is not used in the CPC system: Subject matter covered by these groups is classified in the following CPC group:

[C09J 163/02](#)

covered by

[C09J 163/00](#)

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](#)}
 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](#)

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](#))
 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 group, the indexing codes of subclass **M09J** are used

- 7/02 . on carriers
 7/0203 . . {essentially based on heat-curable or heat-activatable adhesive}
 7/0207 . . {characterised by pressure-sensitive adhesive}
 7/021 . . . {based on macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds}
 7/0214 {Natural or synthetic rubber}
 7/0217 {Acrylic polymers}
 7/0221 {Block-copolymers}
 7/0225 . . {characterised by release features}
 7/0228 . . . {characterised by the release coating composition}
 7/0232 . . . {characterised by the structure of the release liner}
 7/0235 . . . {characterised by the substrate of the release liner}
 7/0239 . . {on carriers other than paper or textile fabrics}
 7/0242 . . . {essentially based on heat-curable or heat-activatable adhesive}
 7/0246 . . . {characterised by pressure-sensitive adhesive}
 7/025 . . . {characterised by the release coating composition or properties}

- 7/0253 {characterised by the structure}
- 7/0257 . . . {characterised by the priming intermediate layer composition}
- 7/026 . . . {characterised by the carrier}
- 7/0264 {Plastic, including metallised plastic}
- 7/0267 {based on macromolecular compounds obtained by reactions involving only carbon-to-carbon unsaturated bonds}
- 7/0271 {Polyolefin, including rubber}
- 7/0275 {Ethylene or propylene polymers}
- 7/0278 {Vinyl resins, e.g. PVC}
- 7/0282 {based on macromolecular compounds obtained otherwise than by reactions involving only carbon-to-carbon unsaturated bonds}
- 7/0285 {Polyester}
- 7/0289 {Porous or cellular plastic}
- 7/0292 {Metal sheet}
- 7/0296 {Laminates}
- 7/04 . . on paper or textile fabric (adhesive bandages, dressings or adsorbent pads, {e.g. plasters} , [A61F 13/02](#))
- 7/041 . . . {characterised by the adhesive composition}
- 7/042 {Water-activatable adhesive, e.g. gummed paper}
- 7/043 {Heat-curable or heat-activatable adhesive}
- 7/045 {Pressure-sensitive adhesive}
- 7/046 . . . {characterised by the release coating composition}
- 7/047 {characterised by the structure}
- 7/048 . . . {characterised by the backing impregnating composition}
- 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
- 101/282 {with halogen-substituted hydrocarbon radicals}
- 101/284 {with hydroxylated hydrocarbon radicals}
- 101/286 {substituted with acid radicals ([C09J 101/282](#) takes precedence)}
- 101/288 {substituted with nitrogen containing radicals}
- 101/30 . . . Aryl ethers; Aralkyl ethers
- 101/32 . . Cellulose ether-esters
- 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 . . 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](#)**
- 105/02 . Dextran; Derivatives thereof
- 105/04 . Alginic 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**
- 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	123/18	. . Homopolymers or copolymers of hydrocarbons having four or more carbon atoms
119/003	. {Precrosslinked rubber; Scrap rubber; Used vulcanised rubber}	123/20	. . . having four to nine carbon atoms
119/006	. {Rubber characterised by functional groups, e.g. telechelic diene polymers}	123/22	. . . . Copolymers of isobutene; Butyl rubber {Homo- or copolymers of other iso-olefines}
119/02	. Latex	123/24	. . . having ten or more carbon atoms
121/00	Adhesives based on unspecified rubbers	123/26	. modified by chemical after-treatment
121/02	. Latex	123/28	. . by reaction with halogens or compounds containing halogen (C09J 123/32 takes precedence)
<u>Adhesives based on organic macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds</u>		123/283	. . . {Halogenated homo- or copolymers of iso-olefines}
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	123/286	. . . {Chlorinated polyethylene}
123/02	. not modified by chemical after-treatment	123/30	. . by oxidation
123/025	. . {Copolymer of an unspecified olefine with a monomer other than an olefine}	123/32	. . by reaction with compounds containing phosphorus or sulfur
123/04	. . Homopolymers or copolymers of ethene	123/34	. . . by chlorosulfonation
123/06	. . . Polyethylene	123/36	. . by reaction with compounds containing nitrogen, e.g. by nitration
123/08	. . . Copolymers of ethene (C09J 123/16 takes precedence)	125/00	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
123/0807	. . . . {Copolymers of ethene with unsaturated hydrocarbons only containing more than three carbon atoms}	125/02	. Homopolymers or copolymers of hydrocarbons
123/0815	. . . . . {Copolymers of ethene with aliphatic 1-olefins}	125/04	. . Homopolymers or copolymers of styrene
123/0823	. . . . . {Copolymers of ethene with aliphatic cyclic olefins}	125/06	. . . Polystyrene
123/083	. . . . . {Copolymers of ethene with aliphatic polyenes, i.e. containing more than one unsaturated bond}	125/08	. . . Copolymers of styrene (C09J 129/08 , C09J 135/06 , C09J 155/02 take precedence)
123/0838	. . . . . {Copolymers of ethene with aromatic monomers}	125/10	. . . . with conjugated dienes
123/0846	. . . . . {Copolymers of ethene with unsaturated hydrocarbons containing other atoms than carbon or hydrogen atoms}	125/12	. . . . with unsaturated nitriles
123/0853	. . . . . {Vinylacetate}	125/14	. . . . with unsaturated esters
123/0861	. . . . . {Saponified vinylacetate}	125/16	. . Homopolymers or copolymers of alkyl-substituted styrenes
123/0869	. . . . . {Acids or derivatives thereof}	125/18	. Homopolymers or copolymers of aromatic monomers containing elements other than carbon and hydrogen
123/0876	. . . . . {Neutralised polymers, i.e. ionomers}	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 a halogen; Adhesives based on derivatives of such polymers
123/0884	. . . . . {Epoxide containing esters}	127/02	. not modified by chemical after-treatment
123/0892	. . . . . {containing monomers with other atoms than carbon, hydrogen or oxygen atoms}	127/04	. . containing chlorine atoms
123/10	. . Homopolymers or copolymers of propene	127/06	. . . Homopolymers or copolymers of vinyl chloride
123/12	. . . Polypropene	127/08	. . . Homopolymers or copolymers of vinylidene chloride
123/14	. . . Copolymers of propene (C09J 123/16 takes precedence)	127/10	. . containing bromine or iodine atoms
123/142	. . . . {at least partially crystalline copolymers of propene with other olefins}	127/12	. . containing fluorine atoms
123/145	. . . . {Copolymers of propene with monomers having more than one C=C double bond}	127/14	. . . Homopolymers or copolymers of vinyl fluoride
123/147	. . . . {Copolymers of propene with monomers containing other atoms than carbon or hydrogen atoms}	127/16	. . . Homopolymers or copolymers of vinylidene fluoride
123/16	. . {Elastomeric} ethene-propene or ethene-propene-diene copolymers, {e.g. EPR and EPDM rubbers}	127/18	. . . Homopolymers or copolymers of tetrafluoroethene
<u>NOTE</u>		127/20	. . . Homopolymers or copolymers of hexafluoropropene
This group is used for polymers comprising both ethylene and propylene		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, aldehydo, 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	133/10	. . . Homopolymers or copolymers of methacrylic acid esters
129/02	. Homopolymers or copolymers of unsaturated alcohols (C09J 129/14 takes precedence)	133/12	. . . . Homopolymers or copolymers of methyl methacrylate
129/04	. . Polyvinyl alcohol; Partially hydrolysed homopolymers or copolymers of esters of unsaturated alcohols with saturated carboxylic acids	133/14	. . of esters containing halogen, nitrogen, sulfur or oxygen atoms in addition to the carboxy oxygen
129/06	. . Copolymers of allyl alcohol	133/16	. . . Homopolymers or copolymers of esters containing halogen atoms
129/08	. . . with vinyl aromatic monomers	133/18	. Homopolymers or copolymers of nitriles
129/10	. Homopolymers or copolymers of unsaturated ethers (C09J 135/08 takes precedence)	133/20	. . Homopolymers or copolymers of acrylonitrile (C09J 155/02 takes precedence)
129/12	. Homopolymers or copolymers of unsaturated ketones	133/22	. . Homopolymers or copolymers of nitriles containing four or more carbon atoms
129/14	. Homopolymers or copolymers of acetals or ketals obtained by polymerisation of unsaturated acetals or ketals or by after-treatment of polymers of unsaturated alcohols	133/24	. Homopolymers or copolymers of amides or imides
		133/26	. . Homopolymers or copolymers of acrylamide or methacrylamide
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 an acyloxy radical of a saturated carboxylic acid, of carbonic acid, or of a haloformic acid (based on hydrolysed polymers C09J 129/00); Adhesives based on derivatives of such polymers	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
131/02	. Homopolymers or copolymers of esters of monocarboxylic acids	135/02	. Homopolymers or copolymers of esters (C09J 135/06 , C09J 135/08 take precedence)
131/04	. . Homopolymers or copolymers of vinyl acetate	135/04	. Homopolymers or copolymers of nitriles (C09J 135/06 , C09J 135/08 take precedence)
131/06	. Homopolymers or copolymers of esters of polycarboxylic acids	135/06	. Copolymers with vinyl aromatic monomers
131/08	. . of phthalic acid	135/08	. Copolymers with vinyl ethers
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	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
133/02	. Homopolymers or copolymers of acids; Metal or ammonium salts thereof	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
133/04	. Homopolymers or copolymers of esters (C09J 143/04 takes precedence)	139/02	. Homopolymers or copolymers of vinylamine
133/06	. . of esters containing only carbon, hydrogen and oxygen, the oxygen atom being present only as part of the carboxyl radical	139/04	. Homopolymers or copolymers of monomers containing heterocyclic rings having nitrogen as ring member
133/062	. . . {Copolymers with monomers not covered by C09J 133/06 }	139/06	. . Homopolymers or copolymers of N-vinyl-pyrrolidones
133/064	. . . . {containing anhydride, COOH or COOM groups, with M being metal or onium-cation}	139/08	. . Homopolymers or copolymers of vinyl-pyridine
133/066	. . . . {containing -OH groups}	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
133/068	. . . . {containing glycidyl groups}		
133/08	. . . Homopolymers or copolymers of acrylic acid esters		

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	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
143/02	• Homopolymers or copolymers of monomers containing phosphorus	155/005	• {Homopolymers or copolymers obtained by polymerisation of macromolecular compounds terminated by a carbon-to-carbon double bond}
143/04	• Homopolymers or copolymers of monomers containing silicon	155/02	• ABS [Acrylonitrile-Butadiene-Styrene] polymers
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)	155/04	• Polyadducts obtained by the diene synthesis
145/02	• Coumarone-indene polymers	157/00	Adhesives based on unspecified polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds
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)	157/02	• Copolymers of mineral oil hydrocarbons
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	157/04	• Copolymers in which only the monomer in minority is defined
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	157/06	• Homopolymers or copolymers containing elements other than carbon and hydrogen
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)}	157/08	• . . containing halogen atoms
151/006	• {grafted on to block copolymers containing at least one sequence of polymer obtained by reactions only involving carbon-to-carbon unsaturated bonds}	157/10	• . . containing oxygen atoms
151/02	• grafted on to polysaccharides	157/12	• . . containing nitrogen atoms
151/04	• grafted on to rubbers	<u>Adhesives based on organic macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds</u>	
151/06	• grafted on to homopolymers or copolymers of aliphatic hydrocarbons containing only one carbon-to-carbon double bond	159/00	Adhesives based on polyacetals; Adhesives based on derivatives of polyacetals
151/08	• grafted on to macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	159/02	• Polyacetals containing polyoxymethylene sequences only
151/085	• . . {on to polysiloxanes}	159/04	• Copolyoxymethylenes
151/10	• grafted on to inorganic materials	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
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	161/02	• Condensation polymers of aldehydes or ketones only
153/005	• {Modified block copolymers}	161/04	• Condensation polymers of aldehydes or ketones with phenols only
153/02	• Vinyl aromatic monomers and conjugated dienes	161/06	• . . of aldehydes with phenols
153/025	• . . {modified}	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	• 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

- 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 . Polyesters 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 . Polyesters derived from hydroxycarboxylic 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 . 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

- 169/005 . {Polyester-carbonates}

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 polythioether-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

- 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 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](#)

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

- 181/02 . Polythioethers; 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	191/00	Adhesives based on oils, fats or waxes; Adhesives based on derivatives thereof (polishing compositions, ski waxes C09G; soaps, detergent compositions C11D)
	NOTE	191/005	. {Drying oils}
	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	191/02	. Vulcanised oils, e.g. factice
183/02	. Polysilicates	191/04	. Linoxyn
183/04	. Polysiloxanes	191/06	. Waxes
183/06	. . containing silicon bound to oxygen-containing groups (C09J 183/12 takes precedence)	191/08	. . Mineral waxes
183/08	. . containing silicon bound to organic groups containing atoms other than carbon, hydrogen, and oxygen	193/00	Adhesives based on natural resins; Adhesives based on derivatives thereof (polishing compositions C09G)
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)	193/02	. Shellac
183/12	. . containing polyether sequences	193/04	. Rosin
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)	195/00	Adhesives based on bituminous materials, e.g. asphalt, tar, pitch
183/16	. in which all the silicon atoms are connected by linkages other than oxygen atoms	195/005	. {Aqueous compositions, e.g. emulsions}
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	197/00	Adhesives based on lignin-containing materials
185/02	. containing phosphorus	197/002	. {Peat, lignite, coal (briquettes C10L 5/00; working-up peat; ceramic products based on carbon or carbides)}
185/04	. containing boron	197/005	. {Lignin}
187/00	Adhesives based on unspecified macromolecular compounds, obtained otherwise than by polymerisation reactions only involving unsaturated carbon-to-carbon bonds	197/007	. {Cork}
187/005	. {Block or graft polymers not provided for in groups C09J 101/00 - C09J 185/04}	197/02	. Lignocellulosic material, e.g. wood, straw or bagasse
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)		199/00	Adhesives based on natural macromolecular compounds or on derivatives thereof, not provided for in groups C09J 189/00 - C09J 197/00
189/00	Adhesives based on proteins; Adhesives based on derivatives thereof (foodstuff preparations A23J 3/00)	201/00	Adhesives based on unspecified macromolecular compounds
189/005	. {Casein}	201/005	. {Dendritic macromolecules}
189/02	. Casein-aldehyde condensates	201/02	. characterised by the presence of specified groups, {e.g. terminal or pendant functional groups}
189/04	. Products derived from waste materials, e.g. horn, hoof or hair	201/025	. . {containing nitrogen atoms}
189/06	. . derived from leather or skin	201/04	. . containing halogen atoms
		201/06	. . containing oxygen atoms {(C09J 201/025 takes precedence)}
		201/08	. . . Carboxyl groups
		201/10	. . containing hydrolysable silane groups
		2201/12	. . {by the arrangement of layers}
		2201/122	. . . {the adhesive layer being present only on one side of the carrier, e.g. single-sided adhesive tape}
		2201/128	. . . {the adhesive layer being present on both sides of the carrier, e.g. double-sided adhesive tape}
		2201/134	. . . . {the opposite adhesive layers being different}
		2201/16	. . {by the structure of the carrier layer}
		2201/162	. . . {the carrier layer being a laminate constituted by plastic layers only}
		2201/20	. . {by perforations through the adhesive tape}
		2201/24	. . {the adhesive being in the form of fibres}
		2201/28	. . {the adhesive coating being discontinuous}
		2201/32	. . {the adhesive layer comprising non-adhesive protrusions}
		2201/36	. . {the adhesive layer being constituted by at least two or more adjacent or superposed adhesive layers, e.g. multilayer adhesive}
		2201/40	. . {the adhesive layer being formed by alternating adhesive areas being chemically different}
		2201/60	. . {by other properties}

2201/602	. . . {being conductive}
2201/606	. . . {the adhesive being pressure-sensitive, i.e. tacky at temperatures inferior to 30°C}
2201/61	. . . {the adhesive being a hot-melt, i.e. not tacky at temperatures inferior to 30°C}
2201/614	. . . {the adhesive being water-activatable}
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}

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
2400/225	. . . in the release layer
2400/226	. . . in the substrate
2400/228	. . . in the pretreated surface to be joined
2400/24	. . Presence of a foam
2400/243	. . . in the substrate
2400/246	. . . in the pretreated surface to be joined
2400/26	. . Presence of textile or fabric
2400/263	. . . in the substrate
2400/266	. . . in the pretreated surface to be joined
2400/28	. . Presence of paper
2400/283	. . . in the substrate
2400/286	. . . in the pretreated surface to be joined
2400/30	. . Presence of wood
2400/303	. . . in the substrate
2400/306	. . . in the pretreated surface to be joined

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

2401/00 Presence of cellulose

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

2403/00 Presence of starch

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

2405/00 Presence of polysaccharides

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

2407/00 Presence of natural rubber

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

2409/00 Presence of diene rubber

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

2411/00 Presence of chloroprene

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

2413/00 Presence of rubbers containing carboxyl groups

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

2415/00 Presence of rubber derivatives

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

2417/00 Presence of reclaimed rubber

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

2421/00 Presence of unspecified rubber

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

2423/00 Presence of polyolefin

- 2423/001 . in the barrier layer
- 2423/003 . in the primer coating
- 2423/005 . in the release layer
- 2423/006 . in the substrate
- 2423/008 . in the pretreated surface to be joined
- 2423/04 . Presence of homo or copolymers of ethene
- 2423/041 . . in the barrier layer
- 2423/043 . . in the primer coating
- 2423/045 . . in the release layer
- 2423/046 . . in the substrate
- 2423/048 . . in the pretreated surface to be joined
- 2423/10 . Presence of homo or copolymers of propene
- 2423/101 . . in the barrier layer
- 2423/103 . . in the primer coating
- 2423/105 . . in the release layer
- 2423/106 . . in the substrate
- 2423/108 . . in the pretreated surface to be joined
- 2423/16 . Presence of ethen-propene or ethene-propene-diene copolymers
- 2423/161 . . in the barrier layer
- 2423/163 . . in the primer coating
- 2423/165 . . in the release layer
- 2423/166 . . in the substrate
- 2423/168 . . in the pretreated surface to be joined

2425/00 Presence of styrenic polymer

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

2427/00 Presence of halogenated polymer

- 2427/001 . in the barrier layer
- 2427/003 . in the primer coating
- 2427/005 . in the release layer

- 2427/006 . in the substrate
- 2427/008 . in the pretreated surface to be joined

2429/00 Presence of polyvinyl alcohol

- 2429/001 . in the barrier layer
- 2429/003 . in the primer coating
- 2429/005 . in the release layer
- 2429/006 . in the substrate
- 2429/008 . in the pretreated surface to be joined

2431/00 Presence of polyvinyl acetate

- 2431/001 . in the barrier layer
- 2431/003 . in the primer coating
- 2431/005 . in the release layer
- 2431/006 . in the substrate
- 2431/008 . in the pretreated surface to be joined

2433/00 Presence of acrylic polymer

- 2433/001 . in the barrier layer
- 2433/003 . in the primer coating
- 2433/005 . in the release layer
- 2433/006 . in the substrate
- 2433/008 . in the pretreated surface to be joined

2451/00 Presence of graft polymer

- 2451/001 . in the barrier layer
- 2451/003 . in the primer coating
- 2451/005 . in the release layer
- 2451/006 . in the substrate
- 2451/008 . in the pretreated surface to be joined

2453/00 Presence of block copolymer

- 2453/001 . in the barrier layer
- 2453/003 . in the primer coating
- 2453/005 . in the release layer
- 2453/006 . in the substrate
- 2453/008 . in the pretreated surface to be joined

2455/00 Presence of ABS

- 2455/001 . in the barrier layer
- 2455/003 . in the primer coating
- 2455/005 . in the release layer
- 2455/006 . in the substrate
- 2455/008 . in the pretreated surface to be joined

2459/00 Presence of polyacetal

- 2459/001 . in the barrier layer
- 2459/003 . in the primer coating
- 2459/005 . in the release layer
- 2459/006 . in the substrate
- 2459/008 . in the pretreated surface to be joined

2461/00 Presence of phenolic resin

- 2461/001 . in the barrier layer
- 2461/003 . in the primer coating
- 2461/005 . in the release layer
- 2461/006 . in the substrate
- 2461/008 . in the pretreated surface to be joined

2463/00 Presence of epoxy resin

- 2463/001 . in the barrier layer
- 2463/003 . in the primer coating
- 2463/005 . in the release layer
- 2463/006 . in the substrate
- 2463/008 . in the pretreated surface to be joined

2465/00 Presence of polyphenylene

- 2465/001 . in the barrier layer
- 2465/003 . in the primer coating
- 2465/005 . in the release layer
- 2465/006 . in the substrate
- 2465/008 . in the pretreated surface to be joined

2467/00 Presence of polyester

- 2467/001 . in the barrier layer
- 2467/003 . in the primer coating
- 2467/005 . in the release layer
- 2467/006 . in the substrate
- 2467/008 . in the pretreated surface to be joined

2469/00 Presence of polycarbonate

- 2469/001 . in the barrier layer
- 2469/003 . in the primer coating
- 2469/005 . in the release layer
- 2469/006 . in the substrate
- 2469/008 . in the pretreated surface to be joined

2471/00 Presence of polyether

- 2471/001 . in the barrier layer
- 2471/003 . in the primer coating
- 2471/005 . in the release layer
- 2471/006 . in the substrate
- 2471/008 . in the pretreated surface to be joined

2475/00 Presence of polyurethane

- 2475/001 . in the barrier layer
- 2475/003 . in the primer coating
- 2475/005 . in the release layer
- 2475/006 . in the substrate
- 2475/008 . in the pretreated surface to be joined

2477/00 Presence of polyamide

- 2477/001 . in the barrier layer
- 2477/003 . in the primer coating
- 2477/005 . in the release layer
- 2477/006 . in the substrate
- 2477/008 . in the pretreated surface to be joined

2479/00 Presence of polyamine or polyimide

- 2479/02 . polyamine
- 2479/021 . . in the barrier layer
- 2479/023 . . in the primer coating
- 2479/025 . . in the release layer
- 2479/026 . . in the substrate
- 2479/028 . . in the pretreated surface to be joined
- 2479/08 . polyimide
- 2479/081 . . in the barrier layer
- 2479/083 . . in the primer coating
- 2479/085 . . in the release layer
- 2479/086 . . in the substrate
- 2479/088 . . in the pretreated surface to be joined

2481/00 Presence of sulfur containing polymers

- 2481/001 . in the barrier layer
- 2481/003 . in the primer coating
- 2481/005 . in the release layer
- 2481/006 . in the substrate
- 2481/008 . in the pretreated surface to be joined

2483/00 Presence of polysiloxane

- 2483/001 . in the barrier layer

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

2489/00 Presence of protein

- 2489/001 . in the barrier layer
- 2489/003 . in the primer coating
- 2489/005 . in the release layer
- 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 layer
- 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 layer
- 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 layer
- 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 layer
- 2499/006 . in the substrate
- 2499/008 . in the pretreated surface to be joined