

Title (en)

PRIMER TO IMPROVE ADHESION OF ADHESIVE TAPES ON HYDROPHILIC SURFACES

Title (de)

PRIMER ZUR VERBESSERUNG DER ADHÄSION VON KLEBEBÄNDERN AUF HYDROPHILEN OBERFLÄCHEN

Title (fr)

PRIMER POUR AMÉLIORER L'ADHÉRENCE DES BANDES ADHÉSIVES SUR DES SURFACES HYDROPHILES

Publication

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Application

EP 15718199 A 20150420

Priority

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Abstract (en)

[origin: WO2015169575A1] The invention concerns a primer comprising a mixture G, in dispersion or solution in one or more solvents, of at least one copolymer obtained by copolymerizing a monomer mixture comprising at least 90 wt% of the following monomers: vinylcaprolactam and/or vinylpyrrolidone and one or more of monomers a) and/or b): a) acrylic esters of a linear, primary alcohol having 2 to 10 carbon atoms in the alkyl radical of the alcohol, b) acrylic esters of a branched non-cyclic alcohol having 3 to 12 carbon atoms in the alkyl radical of the alcohol, at least one organofunctional silane of the general structure (I): $(R1O)_xSi(R2)_y(R3)_z$, in which the radicals R1 independently of one another are a C1-C4 alkyl radical, a C2-C6 alkoxyalkyl radical or an acetyl radical; the radical R2 is an aminoalkyl radical, a vinyl group, a methacryloyloxyalkyl radical, an isocyanatoalkyl radical, an O-methylcarbamatoalkyl radical, a glycidioxyalkyl radical or a phenyl radical; the radicals R3 independently of one another are a C1-C18 alkyl radical and $x = 1, 2$ or 3 ; $y = 0$ or 1 and $z = 4 - x - y$; at least one metal compound selected from the group consisting of metal acetylacetonates, metal alkoxides and alkoxy-metal acetylacetonates. A primer of this kind enables effective promotion of adhesion between pressure-sensitive adhesive tapes and hydrophilic surfaces like glass especially, and allows for incorporation of functional fillers.

IPC 8 full level

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Citation (search report)

See references of WO 2015169575A1

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