

Title (en)

ORIENTATED ACRYLATE ADHESIVE MATERIALS, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

ORIENTIERTE ACRYLATHAFTKLEBEMASSEN, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)

MATIERES AUTO-ADHESIVES D'ACRYLATE ORIENTEES, LEUR PROCEDE DE PRODUCTION ET LEUR UTILISATION

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Application

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Abstract (en)

[origin: WO2005068575A1] The invention relates to an orientated adhesive material and to a method for the production thereof. The adhesive material comprises a UV cross-linked polymer based on acrylate, which consists of at least 50 % by mass of at least one acrylic monomer according to general formula (I), wherein R1 represents hydrogen (H) or a methyl group (CH3) and R2 represents hydrogen (H) or an unbranched or branched, saturated C1 - C30- hydrocarbon radical which is substituted, optionally, by a functional group. The adhesive material in the form of a film which is applied as a melt (hot-melt) has a preferred direction, said direction being characterised in the free film by a back shrinkage of at least 3 % in relation to an initial expansion of the film in the preferred direction. Orientation is produced after polymerisation by a suitable coating method and subsequently frozen by UV cross-linking. The adhesive material has excellent properties as an adhesive layer on single or double-sided adhesive strips.

IPC 8 full level

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