

Title (en)
TAMPER INDICATING MULTILAYER SHEET

Title (de)
ORIGINALITÄTSGESICHERTE MEHSCHIHTBAHN

Title (fr)
FEUILLE MULTICOUCHE ANTIVOL

Publication
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Application
EP 97925654 A 19970520

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• US 9708528 W 19970520

Abstract (en)
[origin: WO9744769A1] The present invention refers to a multilayer sheet (1) comprising a flexible backing (2) and a pressure-sensitive adhesive layer (3) for attaching the multilayer sheet to a smooth and rigid surface (5), wherein the pressure-sensitive adhesive is completely removable from the surface (5) and is selected to exhibit for an adhesive layer with a thickness of 300 μm a 90 DEG peel adhesion of between 20 and 85 N/inch from glass after a dwell time of 3 days at a temperature of 70 DEG C. The flexible backing (2) preferably comprises at least one damagable layer (4) and shows intralayer failure when peeling off the multilayer sheet (1) from the surface (5). The present invention furthermore refers to a pressure-sensitive adhesive which is obtainable by polymerizing a precursor comprising a) a monomer component which contains one or more alkyl acrylates, the alkyl groups of which have an average of 4-14 C atoms, and 2-8 phr of at least one copolymerizable monomer having a polar group, b) 5-15 phr of hydrophobic silica, c) one or more polymerization initiators, and d) one or more cross-linker compounds in a concentration resulting in a cross-link density obtainable by using hexanedioldiacrylate as a reference cross-linker compound in a concentration between 0.06 and 0.14 phr. The present invention furthermore refers to a pressure-sensitive adhesive which is obtainable by polymerizing a precursor comprising a) a monomer component which contains one or more alkyl acrylates, the alkyl groups of which have an average of 4-14 C atoms, and 8-20 phr of at least one copolymerizable monomer having a polar group, b) 5-15 phr of hydrophobic silica, c) one or more polymerization initiators, and d) one or more cross-linker compounds in a concentration resulting in a cross-link density obtainable by using hexanedioldiacrylate as a reference cross-linker compound in a concentration between 0.06 and 0.11 phr.

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