

Title (en)
LACQUERED MOULDED PARTS CONSISTING OF SYNTHETIC MATERIAL, METHOD FOR THEIR PRODUCTION AND THE USE THEREOF

Title (de)
LACKIERTE KUNSTSTOFFFORMTEILE, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG

Title (fr)
PIECES EN MATIERE PLASTIQUE MOULEES ET PEINTES, LEUR PROCEDE DE FABRICATION ET LEUR UTILISATION

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Abstract (en)
[origin: WO0138427A1] The invention relates to a lacquered moulded part consisting of synthetic material, comprising at least one synthetic material layer (A), which contains or consists of at least one graft copolymer (a1) composed of (a11) at least one rubber-elastic polymer with a glass transition temperature of below 10 DEG C as the graft base (a12) at least one graft overlay consisting of at least one copolymer with a glass transition temperature of above 30 DEG C; and at least one lacquer coat (B) which is provided on the synthetic material layer (A). Said coat can be produced from a lacquer, which when hard has a storage modulus E' in the rubber-elastic region of at least 10<7.6> Pa and a dissipation factor tan delta of maximum 0.1 (at 20 DEG C). The storage modulus E' and the dissipation factor tan delta were measured using dynamic mechanic thermal analysis (DMTA) on free homogenous films with a coating thickness of 40 ± 10 µm. The invention also relates to a method for producing the moulded part consisting of synthetic material and the use thereof.

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