

Title (en)
STRUCTURE MADE FROM A THERMOPLASTIC COMPOSITION OF A POLYOLEFIN FUNCTIONALISED BY POLYETHER GRAFTS AND USE THEREOF

Title (de)
STRUKTUR AUS EINER THERMOPLASTISCHEN ZUSAMMENSETZUNG AUS EINEM MITTELS POLYETHERPFROPFEN FUNKTIONALISIERTEN POLYOLEFIN UND VERWENDUNG DAFÜR

Title (fr)
STRUCTURE OBTENUE A PARTIR D'UNE COMPOSITION THERMOPLASTIQUE A BASE DE POLYOLEFINE FONCTIONNALISEE GREFFEE PAR DES MOTIFS POLYETHERS ET UTILISATION D'UNE TELLE COMPOSITION

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Abstract (en)
[origin: WO2007093745A2] The invention relates to a structure comprising a substrate and at least one first layer applied to the substrate made from a thermoplastic composition with at least one functionalised thermoplastic obtained by copolymerisation or grafting of a polyolefin backbone with an unsaturated monomer with an anhydride, acid or epoxide function, the functionalised polyolefin being grafted by polyether groups with a terminal amine by means of reactive extrusion. Said structure is a breathable waterproof material with water vapour permeability of at least 300 g/m² h measured by the standard ASTM E96, method BW (38° C/50 % relative humidity), for a film of 25 µm. The invention further relates to the use of such a composition as a breathable waterproof material with water vapour permeability of at least 300 g/m² h measured by the standard ASTM E96, method BW (38° C/50 % relative humidity), for a film of 25 µm.

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