

Title (en)

METHOD FOR PREPARING A WOVEN, KNITTED OR NON WOVEN FIBROUS SUBSTRATE COATED ON ONE OR BOTH SIDES WITH AT LEAST ONE LAYER OF REINFORCED ELASTOMERIC SILICON

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES AUF EINER ODER BEIDEN SEITEN MIT MINDESTENS EINER SCHICHT AUS VERSTÄRKTEM ELASTOMERSILIKON BESCHICHTETEN WEB-, STRICK- ODER VLIESFASERSUBSTRATS

Title (fr)

PROCÉDÉ POUR PRÉPARER UN SUPPORT FIBREUX TISSÉ, TRICOTÉ, OU NON TISSÉ ENDUIT SUR UNE OU DEUX FACES PAR AU MOINS UNE COUCHE SILICONE ÉLASTOMÉRIQUE RENFORCÉE

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Application

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Abstract (en)

[origin: FR2910499A1] Preparing a woven, knitted or non-woven fibrous support coated on one or both sides by a reinforced elastomeric silicone layer comprises: preparing a silicone composition for crosslinkable coating (A) comprising organopolysiloxane for 100 parts by weight, a reinforcement constituted of polyamide microfibers; applying (A) on one or two sides of the woven, knitted or non-woven fibrous support; and crosslinking, preferably by heating or electromagnetic radiation of the deposit formed in applying step to form at least one reinforced elastomeric silicone layer. Preparing a woven, knitted or non-woven fibrous support coated on one or both sides by a reinforced elastomeric silicone layer comprises: preparing a silicone composition for crosslinkable coating (A) comprising organopolysiloxane of 0.5-15 parts by weight, preferably 2-6 parts by weight for 100 parts by weight, a reinforcement constituted of polyamide microfibers comprising a titre of 0.1-15 dtex, preferably 0.5-2.5 dtex, and length of 0.1-10 mm, preferably 0.2-5 mm; applying 20 g/m² of (A), preferably 100 g/m² on one or two sides of the woven, knitted or non-woven fibrous support; and crosslinking, preferably by heating or electromagnetic radiation of the deposit formed in applying step to form at least one reinforced elastomeric silicone layer, where the polyamide is nylon 6, polyamide 6.6, polyamide 4, polyamide 11, polyamide 12, polyamides 4-6, 6-10, 6-12, 6-36, 12-12 and their copolymers and mixtures. An independent claim is included for a woven, knitted or non-woven fibrous support coated on one or both sides, which is obtained by implementing the above process.

IPC 8 full level

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