

Title (en)

Lining material, process for its manufacture and its use

Title (de)

Trägereinlage, Verfahren zu deren Herstellung und deren Verwendung

Title (fr)

Matériau de garnissage, procédé pour sa fabrication et son utilisation

Publication

EP 0806510 A1 19971112 (DE)

Application

EP 97106879 A 19970425

Priority

DE 19620361 A 19960510

Abstract (en)

A load-bearing interlayer (I), containing (A) a textile sheet and (B) a reinforcement containing monofilaments with a diameter of at least 0.1 (preferably 0.1-1) mm. Also claimed is: (i) a process for the production of (I); (ii) composites containing (I); and (iii) roofing and sealing strips containing (I). Preferably monofilaments (B) have a diameter of 0.1-0.5 (preferably 0.1-0.3) mm, a Young's modulus of at least 5 GPa and an elongation at break of 0.5-100%. Preferred (B) consist of high-modulus aramid, high-strength polyester monofilaments, or monofilament wire made of metals or metal alloys. The monofilaments absorb energy so that the standard load (SL) in the stress-strain curve (at 20 degrees C) for the combination (A/B) differs from that of the interlayer without (B) by at least 10 (preferably 20, more preferably 30) %, and the ratio of SL at 20 degrees C divided by SL at 180 degrees C is not more than 3, in each case at at least one point in the range between 0 and 1% elongation. Textile (A) consists of spun-bonded fabric, especially polyester containing at least 85 mole% polyethylene terephthalate (PET), which may also be mechanically, thermally and/or chemically bonded and possibly provided with an embossed pattern.

Abstract (de)

Die vorliegende Erfindung beschreibt eine Trägereinlage enthaltend ein textiles Flächengebilde und eine Verstärkung, dadurch gekennzeichnet, daß die Verstärkung Monofilamente enthält, deren Durchmesser mindestens 0,1 mm, vorzugsweise zwischen 0,1 und 1 mm beträgt. Weiterer Gegenstand der Erfindung ist die Verwendung der Trägereinlage zu Herstellung von gegebenenfalls bituminierten Dach- und Dichtungsbahnen, sowie die entsprechenden Endprodukte.

IPC 1-7

D04H 13/00

IPC 8 full level

D01F 6/62 (2006.01); **D04H 3/00** (2006.01); **D04H 3/04** (2012.01); **D04H 3/10** (2012.01); **D04H 3/105** (2012.01); **D04H 3/12** (2006.01); **D04H 3/16** (2006.01); **D04H 13/00** (2006.01); **D06N 7/00** (2006.01)

CPC (source: EP US)

D04H 3/04 (2013.01 - EP US); **D04H 3/10** (2013.01 - EP US); **D04H 3/105** (2013.01 - EP US); **D04H 3/12** (2013.01 - EP US); **D04H 3/16** (2013.01 - EP US); **D04H 13/00** (2013.01 - EP US); **Y10S 428/902** (2013.01 - EP US); **Y10T 428/26** (2015.01 - EP US); **Y10T 442/608** (2015.04 - EP US); **Y10T 442/643** (2015.04 - EP US); **Y10T 442/644** (2015.04 - EP US); **Y10T 442/645** (2015.04 - EP US); **Y10T 442/681** (2015.04 - EP US); **Y10T 442/696** (2015.04 - EP US)

Citation (search report)

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Designated contracting state (EPC)

BE DE FR GB IT LU NL

DOCDB simple family (publication)

EP 0806510 A1 19971112; **EP 0806510 B1 20011205**; CA 2204968 A1 19971110; DE 19620361 A1 19971113; DE 19620361 C2 19980910; DE 19620361 C5 20040115; DE 59705614 D1 20020117; JP H1053949 A 19980224; KR 970075018 A 19971210; US 6045645 A 20000404; US 6110572 A 20000829

DOCDB simple family (application)

EP 97106879 A 19970425; CA 2204968 A 19970509; DE 19620361 A 19960510; DE 59705614 T 19970425; JP 12047197 A 19970512; KR 19970017763 A 19970509; US 25901799 A 19990226; US 85331697 A 19970508