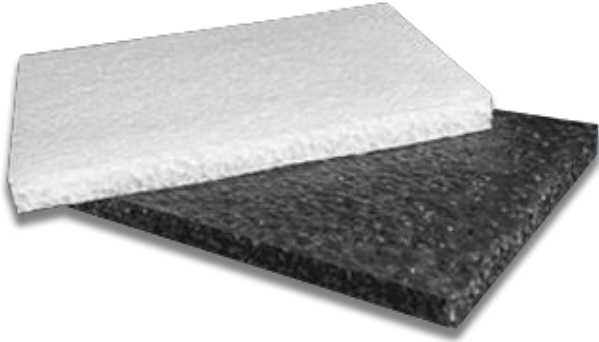


MAAD PEX 30 FR



Description

MAAD PEX 30 FR is a non-crosslinked closed-cell polyethylene foam, whose quite big cells have been opened during the production process. The effect of this process is a lightweight material with perfect sound absorption properties. The foam is approved fire resistant and has been tested for usability for various purposes in transportation, public transport, car and equipment production, electronics and building construction. Owing to its mechanical strength, the Whisper FR laminated foam can be installed in the form of self-bearing panels.

Application



TECHNICAL PARAMETERS:

FIRE PERFORMANCE	EN 45545-2:2015 NF F 16-101 DIN 5510-2 DIN 54837 FMVSS 302 UL 94 DIN 4102	fulfilled the recommendations R1 – HL1 - HL2, R7 – HL2 fulfilled the recommendations the class F1 FED (15')=0,02 FED (30')=0.05 Toxicity fulfilled the recommendations the class S3; SR 2; ST 2 fulfilled the recommendations fulfilled the recommendations the class HF -1 fulfilled the recommendations the class B1
SOUND INSULATION	EN-ISO 717-1	Rw=6,3dB for 25mm and 1000Hz
THERMAL CONDUCTIVITY λ	ASTM D3575-08 Suffix V ISO 8301	0.104 W/mK at 23°C 0.082 W/mK at -5°C
TEMPERATURE RANGE OF APPLICATION	-	between -40°C and 100°C
DENSITY	EN ISO 845	32 kg/m ³
CELL SIZE	BS 4443/1 Met.4	<10 Cells/mm
WATER PICK UP BY DIFFUSION	UNI EN 12088	< 4 Volume % (RH>95% - after 28 days):
COMPRESSIVE STRENGTH	ASTM D3575-08 Suffix W ISO 7214:2007	Vertical 25% 17 KPa Vertical 50% 30 KPa
COMPRESSION SET	ISO 3386 1986 part 1 DIN 53577	25% (4th compression) 18 KPa 50% (4th compression) 30 KPa 70% (4th compression) 55 KPa
TENSILE STRENGTH PEAK	ASTM D3575-08 Suffix B ISO 1856:2000	(50% compression) <20% (25% compression) <10%
TENSILE ELONGATION	ASTM D3575-08 T ISO 1978	140 KPa
TENSILE ELONGATION	ASTM D3575-08 T ISO 1978	50%

STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS [mm]	DIMENSIONS OF THE SHEET * [mm]
10 – 100	1200 x 2400

There is a possibility of cutting to size in accordance with your specifications or drawing.

*Other thicknesses / dimensions available on customer's request. There is the possibility to order the material in the roll. Effective dimensions guaranteed as ordered.

OPTIONS***:

Maad PEX 30 FR	without a self-adhesive layer
Maad PEX 30 FR, SK-M	with a self-adhesive with a mesh layer

*** Other composites available on customer's request.

In the case of material with a self-adhesive layer, storage at a temperature