



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 proces. The effect of this proces is a lightweight material with perfect sound absorption properties.

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/m³
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 ISO 3386 1986 part 1 DIN 53577	Vertical 25% 17 KPa Vertical 50% 30 KPa 25% (4th compression) 18 KPa 50% (4th compression) 30 KPa 70% (4th compression) 55 KPa
COMPRESSION SET	ASTM D3575-08 Suffix B ISO 1856:2000	(50% compression) <20% (25% compression) <10%
TENSILE STRENGTH PEAK	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. Effective dimensions guaranteed as ordered.

DIMENSIONAL TOLERANCES

PARAMETER [mm]	TOLERANCE
THICKNESS 25, 30	± 5mm
40, 50	± 8mm

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.