



MAAD MF 10

Descripton

Flexible, extremely opened cell foam based on melamine resin. The unique material structure characterizes mainly by:

- unusually low weight (about 9 kg/m³)
- a high level of sound absorption (to 90%)
- excellent heat-conductivity
- the possibility of use at temperatures of (-200 ° C to 240 ° C)
- certified non-flammabilit

Application

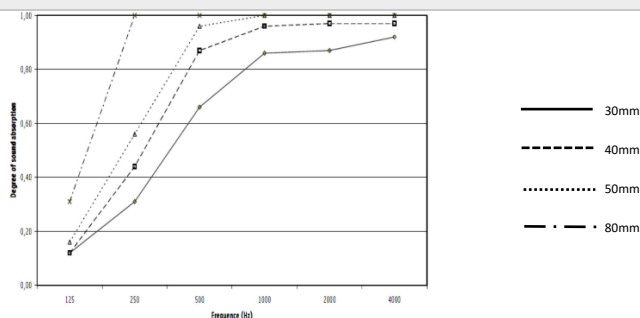


TECHNICAL PARAMETERS:

DENSITY	EN ISO 845 EN 45545-2 DIN 5510-2 UL 94	8-10 kg/m ³ fulfilled the recommendations R1 - HL 2 fulfilled the recommendations S4; SR 2; ST 2 94 V-0 +94 HF -1
FIRE PERFORMANCE	NF P 92-501 ASTM E 662 FAR 25.853 PN-K-02511:2000	M1 fulfilled the recommendations fulfilled the recommendations fulfilled
THERMAL CONDUCTIVITY λ: At +10°C		<0,035 W/mK

SOUND ABSORPTION

DIN52212



TECHNICAL DATA SHEET

STANDARD DIMENSIONS OF THE MATERIAL:

THICKNESS** [mm]	DIMENSIONAL TOLERANCES [mm]	DIMENSIONS OF THE SHEET ** [mm]
3-80 mm	± 1	2100 x 1250
		2500 x 1250

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.

OPTIONS***:

Maad MF 10	without a self-adhesive layer
Maad MF 10, SK	with a self-adhesive
Maad MF 10, SK-M	with a self-adhesive with a mesh layer

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

In the case of material with adhesive layer, storage at a temperature of +15 to +30 °C

ADDITIONAL TECHNICAL PARAMETERS:

COMPRESSION DEFLEXION:		
At 10%	DIN 53421	5 - 20 kPa
At 40%	DIN 53577	7 - 20 kPa
PRESSURE STRENGTH	-	> 45 kN
TENSILE STRENGTH	DIN 53571	> 120 kN
ELONGATION AT BREAK	DIN 53571	>10%
COMPRESSION SET	DIN 53572	10-20 %
	50 % /23 °C / 22 h	
	DIN 53572	10-30 %
50 % /23 °C / 72 h		
DIFFUSION RESISTANCE FACTOR μ:	DIN 52615	abt. 2
LONGITUDINAL RESISTANCE	DIN 52213	10-20 kN/m ⁴
FLASH-POINT	ASTM D1929	>580°C
DECOMPOSITION TEMPERATURE	-	>350°C
PERMANENT INTENDED APPLICATION TEMPERATURE	-	Max. 150°C
FLEXIBLE BEHAVIOUR	-	fulfilled
SOUND ABSORPTION d=50 mm/2000Hz ****	ISO 10543	>90%

**** data measured for a thickness of 50 mm, test for other thicknesses on customer's request