



Maad MF 10

Basis:

Melamine resinous foam

Application:

Melamine Foam is ideally suitable for sound absorption

Characteristics:

Melamine Foam based on melamineresin is a highly effective product as sound absorption material. Very good absorption results are obtained within a large frequency spectrum. Because of it's structure, it is at the same time an excellent thermal insulation product.

Density:

8-11 kg/m³

Color:

Grey (colour differences may act)

Technical Data

Properties	Result	Test Method
Pressure strenght:	>45 N	
Heat conductance 10°C:	<0,035 W/mK	-
Sound absorption:	>90 %	DIN 522125 d=50 mm, 2000Hz
Pressure tension 10% compression deflexion:	5-20 kPa	-
Tensile strenght:	>120 kPa	DIN 53571
Elongation at break:	>10%	DIN 53571
Copression Load Deflection 40%:	7-20 kPa	DIN 53577
Copression set	10-20 % 10-30 %	DIN 53572 50 % /23 °C / 22 h DIN 53572 50 % /23 °C / 72 h
Diffusion resistance factor μ:	abt. 2	DIN 52615
Longitudinal resistance:	10-20 kN/m4	DIN 52213
Permanent intended application temperature	Max. 150°C	-
Flexible behaviour:	fulfilled	-
Flammability:	S4; SR 2; ST 2 R1 - HL 2 94 V-0 +94 HF -1 M1	DIN 5510-2 EN 45545-2 UL 94 NF P 92-501

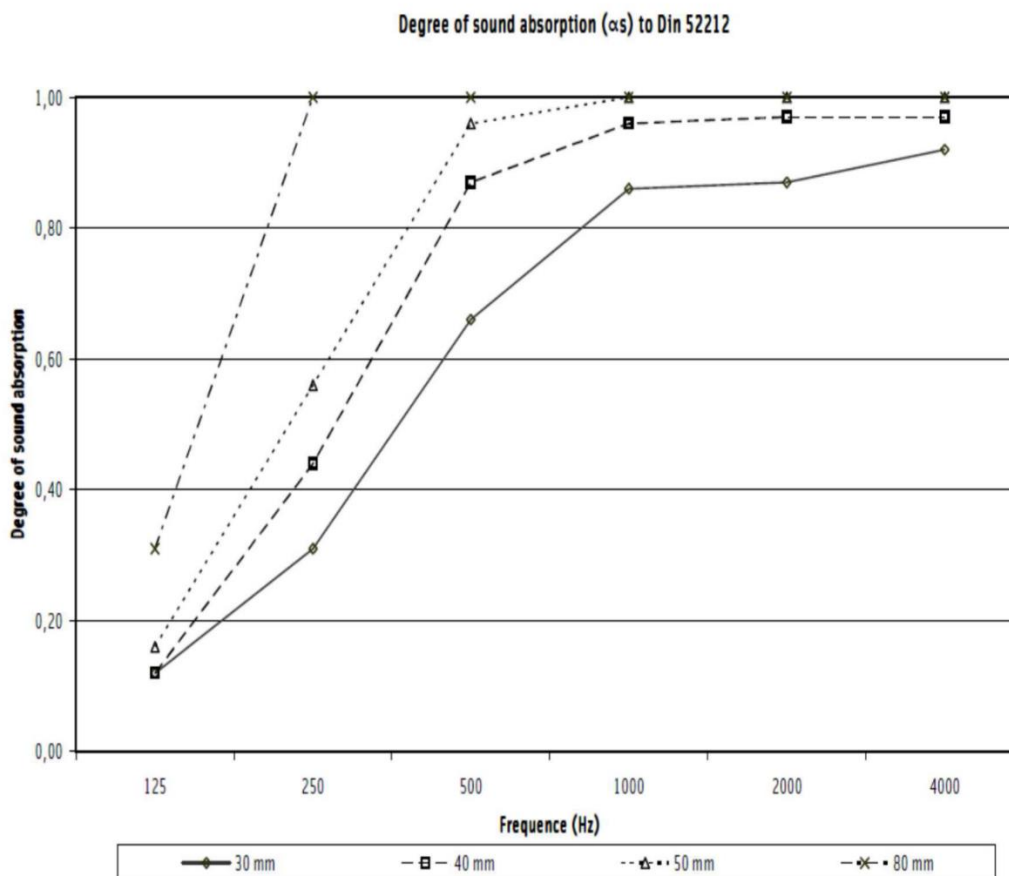
(a)fulfilled
fulfilled
fulfilled

FAR 25.853
ASTM E 662-83
PN-K-02511:2000

IMPORTANT :

The foam has structural cells of variable sizes. The upper limit of max. 10 cells per m² in the field of Ø 5-15 mm can occur on the cutting area.

Degree of sound absorption (α_s) to DIN 52212						
	125	250	500	1000	2000	4000
30 mm	0,12	0,31	0,66	0,86	0,87	0,92
40 mm	0,12	0,44	0,87	0,96	0,97	0,97
50 mm	0,16	0,56	0,96	1,00	1,00	1,00
80 mm	0,31	1,00	1,00	1,00	1,00	1,00



Heat conductance

