

SIREX® AM-MELAMINE FOAM

DESCRIPTION

Raw material.....	Melamine foam
Bulk density (EN ISO 845).....	8,0 - 11,0 kg/m ³
Max. ram force (BASF-method).....	≥ 45 N
Fire characteristics (DIN 4102).....	B1
Thermal conductivity 10°C/d = 50 mm (DIN 52612).....	< 0,035 W/mK
Degree of sound absorption (DIN 52215; d=50 mm; 2000 Hz).....	> 90%

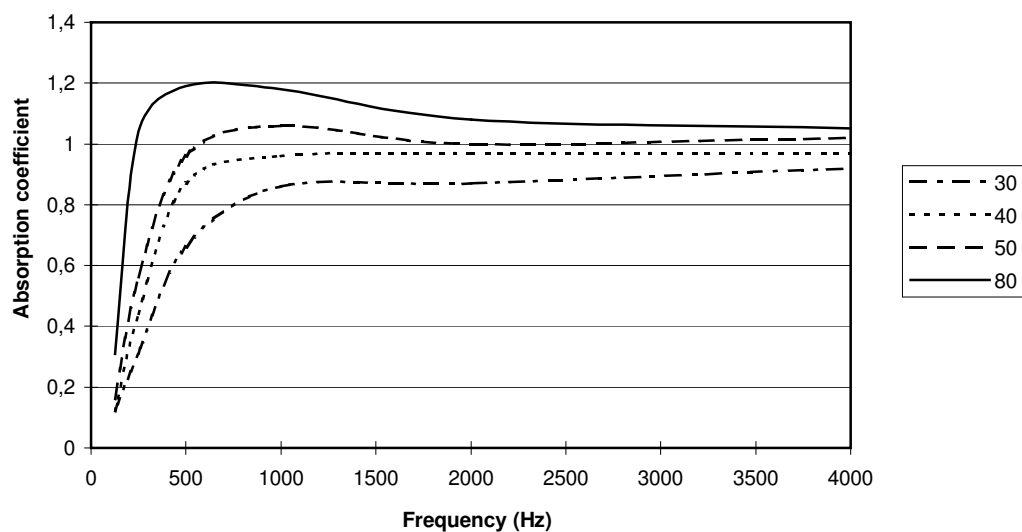
TECHNICAL SPECIFICATIONS

Property	Unit	Test method	Value
Compressive stress - 10% strain	kPa	DIN 53421	4 - 20
Tensile strength	kPa	DIN 53571	> 120
Elongation at break	%	DIN 53571	> 10
Compressive strength, 40%	kPa	DIN 53577	6 - 20
Compression set			
• 50% / 23°C / 72h	%	DIN 53572	10 - 35
• 50% / 70°C / 22h	%	DIN 53572	5 - 30
Diffusion resistance factor μ		DIN 52615	Approx 1 - 2
Length-specific			
• Flow resistance	kNs/m ⁴	DIN EN 29053	8 - 20
Long-term service temperature	°C		Approx 150
Fire characteristics		DIN 4102 DIN 54837 UL 94 NF P 92-501 BS 476, part 6/7 CSE RF 2/75/A CSE RF 3/77 FAR 25.855 ASTM E662-83 ABD 0031 FMSS 302	B1 S4, SR2 ST2 94 V-0 94 HF-1 M1 Class 0 Category I Category I a-1 fulfilled fulfilled fulfilled fulfilled

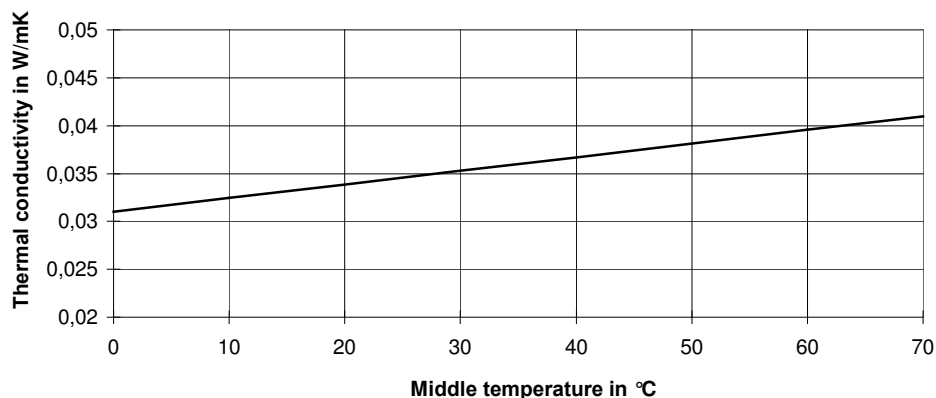
TECHNICAL INFORMATION

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	Degree of sound absorption (α_s) DIN 52212					
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
d = 30 mm	0,12	0,31	0,66	0,86	0,87	0,92
d = 40 mm	0,12	0,44	0,87	0,96	0,97	0,97
d = 50 mm	0,16	0,56	0,96	1,06	1	1,02
d = 80 mm	0,31	1,04	1,19	1,18	1,08	1,05



Thermal conductivity



Any information in this document is presented to our best knowledge. All properties are based on individual values and should be considered as a guideline, not as a specification. They are in no way legally binding. Further are applicable the general terms of payment and delivery of Imbema Holland B.V. and her affiliated companies, in which, among others, has been taken a restriction of liability. They are registered on October 15th, 1982 at the district-court in Haarlem, The Netherlands. These can be sent on demand.



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