

FR Thermal & Acoustic Insulating Foam Data Sheet

Product Code: RC02133

Properties	Test Method	Values
Density	DIN 53420	9.5 +/- 1.5 kg/m ³
Compressive Strength at 10% compression	DIN 53421	5 – 20 kPa
Indentation BASF Method	-	> 45 N
Tensile Strength	DIN 53571	> 120 kPa
Elongation at Break	DIN 53571	> 10 %
Compressive Stress Value 40% Deformation	DIN 53577	7 – 20 kPa
Thermal Conductivity	DIN 512612	< 0.035 W/mk
Compression Set (50% @ 23°C, 72 hr)	DIN 53572	10 – 30 %
Compression Set (50% @ 70°C, 22 hr)	DIN 53572	10 – 20 %
Diffusion Resistance Fact U	DIN 52615	Cq.2
Acoustic Absorption D = 50mm / 2000 Hz	DIN 52214	> 90 %
Length Specific Sound Impedance	DIN 52213	10 – 20 KNS/M4
Application Temperature (Continuous Max)	Internal	+ 180°C
Application Temperature (Peak)	Internal	+ 250°C
Fire Performance	DIN 4102 UL94 NFP 92-501 FAR 25.853 ASTM E 662-83 ATS 1000.001 Buildings Regulations	B1 94 V-0 & 94 HF-1 M1 (a) Pass Pass Pass Class '0'
Sheet Size	-	2500 x 1250 mm
Minimum Sheet Thickness	-	5 mm



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