



WILLFLEX® 022

Technical Data Sheet & Product Information

Description:

WILLFLEX®022 is a phenolic phenolic insulation foam with excellent insulation values for lean construction and industrial insulation applications. The foam is closed cell yet it allows condensation to pass through for heat insulation. For cold insulation the foam will be coated with a vapour barrier. The foam has a very good fire rating. It releases almost no smoke and does not drip under fire.

Produced in accordance to DIN EN 13166.

WILLFLEX®022 is free of CFC / Halogen / fibers / toxic flame retardants.

Applications:

DIN 4108 – 10 : Roof / Ceiling / Basement / Wall / Facade / Pipe sections / Vessels

Technical Data:	Value	Unit	Norm
Aged thermal conductivity			
for d=20 - 40mm	0,023	W/m*K	DIN EN 12667
for d=45 - 200mm	0,022	W/m*K	DIN EN 12667
Nominal thermal conductivity			
für d= 20 - 40mm	0,022	W/m*K	DIN EN 12667
für d=45 - 200mm	0,021	W/m*K	DIN EN 12667
Fire Rating			
	B s1 d0		DIN 13501
Length / Width 1200 x 600 mm	1000*500	mm	DIN 822
Thickness	20 - 235	mm	DIN 823
Compressive strength ar 10% compression strain	≥ 200	kPa	DIN 826
Transverse tensile strength	≥ 80	kPa	DIN EN 1607
Dimensional Stability after 48h at 70°C for length / width / thickness	≥ 1,5 / 3,0	%	DIN EN 1604
Dimensional Stability after 48h at 70° & 90% atmispheeric moisture for L / W / T	≥ 1,5 / 1,5	%	DIN EN 1604
Vapor diffusion resistance			
for d= 20mm	26	μ	DIN EN 12086
for d= 200mm	45	μ	DIN EN 12086
Closed Cell	≥ 90	%	EN ISO 4590
Density	40	kg/m ³	DIN EN 1602
Sheer modulus G	≥ 1000	kPa	DIN EN 12090

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We are continuously improving our products. We reserve the right to change product parameters.

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