



PROMAGLAF® WB

Non classified, Binderless Selected HT Spun Mineral Fiber Needle Mat for Thermal and Acoustical Insulation

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Classification temperature	°C	850	
Fiber mean diameter	µm	11	
Shrinkage, 8 hrs at 650°C at 750°C	%	1.0 1.5	
Shot content according to UNI EN 6823	%	5	
Air flux resistance according to UNI EN 29053	kPa s/m ²	29	
Thermal conductivity at mean temperature of (°C) – ASTM C 177	Density (Kg / m ³)		
			100 120 150
	100	W / mK	0.05 0.04 0.04
	200		0.07 0.06 0.06
	300		0.10 0.08 0.08
	400		0.11 0.10 0.09
	500		0.13 0.12 0.11
600		0.15 0.14 0.13	

Sound absorption coefficient - ISO 10534 – 2

Frequency (Hz)	32	63	125	250	500	1000
100 mm	0.11	0.14	0.36	0.80	0.89	0.86
250 mm	0.29	0.68	0.82	0.78	0.90	0.93

Tested on a 130 Kg/m³ sample

Dimensions:	Length (mt)	Width (mm)	Thickness (mm)	Density (Kg / m ³)
	20 - 3	1000 -1260	6 to 50	100, 120, (130), 150

on request the material is supplied coated/compounded with glass non woven mat, aluminum foil, glass textile, amorphous silica needle mat.

Workability:



Applications:

- Marine Industry
- Automotive
- Domestic appliances
- Power generation
- Post-Combustion chambers

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