

TYPICAL DATA SHEET

1401

Thermal Millboard/Nonasbestos Millboard

Description

1401 millboard is a high temperature material for use in gasketing, insulation, personal protection, heat and flame barriers, dryers, parting media and expansion joints. It is intended for use in applications with maximum continuous operating temperatures up to 1260°C (2300°F) and it resists melting up to 1760°C (3200°F). Available material gauges are 1.6, 3.2, 4.76, 6.35, 9.52, and 12.7mm.

Typical Properties

Property	Value	Method
Density, g/cc(lb/cu.ft)	0.56 (35)	ASTM F 1315
Compressibility, % (at12MPa)	20	ASTM F 36
Tensile Strength, MD, MPa(psi)	5.17 (750)	ASTM F 152
Tensile Strength, AMD, MPa(psi)	2.07 (300)	ASTM F 152
Thermal Conductivity, W/m.K	0.09 (at 260°C), 0.11 (at 430°C), 0.15 (at 700°C), 0.19 (at 870°C)	ASTM F 433
Weight Loss on Ignition, % (at 538°C)	8	ASTM F 495
Chemical Analysis		
Silicone Oxide, % by weight	51.25	
Aluminum Oxide, % by weight	43.50	
Other Oxides, % by weight	5.25	

Remarks and Related Documents

Typical values determined by the test methods required for ASTM F-104, Type 7 materials.

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