

# 1401 Millboard

## Thermal Millboard/Nonasbestos Millboard

---

### DESCRIPTION:

1401 is a non-asbestos high temperature material. Typical uses: High and low temperature low pressure gaskets, backup insulation, personal protection, heat and flame barrier, duct insulation, low and high temperature dryers, parting media, expansion joint material

---

### SPECIFICATION:

Melting Point °C (°F)	1760 (3200)
Maximum Continuous Operating Temp. °C (°F)	1260 (2300)
Density - kg/m <sup>3</sup> (lbs./ft <sup>3</sup> ) min.	560-640 (35-40)
Compressibility % at 122 kg/cm <sup>2</sup> (1735 psi)	20

#### Minimum Tensile Strength MPa (psi)

Machine Direction	5.17 (750)
Cross Direction	2.07 (300)

#### Typical Chemical Analysis:

SiO <sub>2</sub> , %	51.25
AL <sub>2</sub> O <sub>3</sub> , %	43.50
Other Oxides, %	5.25
LOI	8

#### Thermal Conductivity (k):

Mean Temperature °C (°F)	w/m°C (BTU-in/hr/ft <sup>2</sup> /°F)
260 (500)	0.09 (0.64)
427 (801)	0.11 (0.78)
704 (1299)	0.15 (1.03)
871 (1600)	0.19 (1.31)

---

### REMARKS:

Material available in the following nominal thicknesses:  
1/16" (1.60 mm), 1/8" (3.20 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.52 mm), and 1/2" (12/7 mm)

---