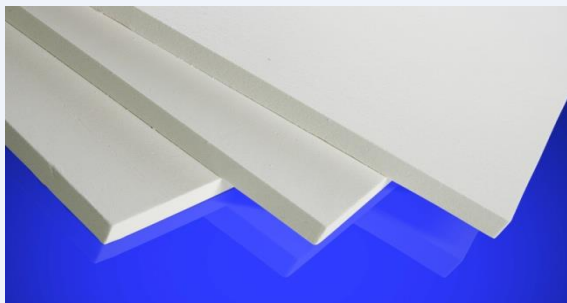


Superwool® HT Millboard

Datasheet Code US: 11-14-116



Applications

- High temperature gaskets
- Roll covers
- Fire protection
- Thermal barrier
- Backup insulation

Product Description

Superwool HT millboards are processed from a slurry of Superwool HT fibers, binders, and fillers. These boards are designed to provide a high temperature insulation product using full H&S exonerated fibers.

Boards and Shapes - Vacuum Formed Product Name	Superwool HT Millboard
Fiber Class	AES
Physical Properties	
Color	white
Continuous Use Temperature, °F	2150
Continuous Use Temperature, °C	1177
Classification Temperature, °F	2372
Classification Temperature, °C	1300
Melting Temperature, °F	2552
Melting Temperature, °C	1400
Density, pcf	64
Denisty, kg/m ³	1025
Modulus of Rupture, MOR, psi	567
Modulus of Rupture, MOR, MPa	3.9
Compressive strength @ 5% deformation, psi	36
Compressive strength @ 5% deformation, Mpa	251
Compressive strength @ 10% deformation, psi	133
Compressive strength @ 10% deformation, Mpa	920
Compressive strength @ 15% deformation, psi	228
Compressive strength @ 15% deformation, Mpa	1570
Permanent Linear Shrinkage, %, 24 hours	
2200°F (1204°C)	1.48

Superwool[®] HT Millboard

Chemical Analysis, % weight basis after firing	
Alumina, Al ₂ O ₃	15
Silica, SiO ₂	75
Calcium oxide + Magnesium oxide, CaO + MgO	8
Other	<2
Loss of Ignition, LOI	12
Thermal Conductivity, BTU·in/hr·ft ² , per ASTM C201	
500°F	0.96
1000°F	1.14
1500°F	1.42
2000°F	1.79
Thermal Conductivity, W/m·K, per ASTM C201	
260°C	0.14
538°C	0.16
816°C	0.2
1093°C	0.26

Standard Size and Availability

Thickness, in	Sheet Size, in	Sq Ft/Sheet	Weight, lb / Sheet
1/8	27-1/2 x 27-1/2	5.25	3.1
1/8	55 x 55	21	12.4
1/4	55 x 55	21	24.8

Thickness, mm	Sheet Size, mm	Sq M/Sheet	Weight, kg / Sheet
3	699 x 699	1.6	1.4
3	1397 x 1397	6.4	5.6
6	1397 x 1397	6.4	11.2

The values given herein are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Morgan Advanced Materials office to obtain current information.