

## Pyrotek U-1 Compressible Board

Category : Ceramic

### Material Notes:

U-1 is a high-temperature millboard that is easily cut, punched and shaped. It works well as a roll-cladding material and as compressible gasketing. A unique characteristic of the asbestos-free board is its ability to be formed to various shapes by wet molding. After drying its mechanical properties remain constant. U-1 is made from high-quality, shot free mineral wool and inert fillers. It exhibits excellent flame and heat resistance with virtually no dimensional changes. It has self-cleaning properties and has no shot or abrasive elements to scratch hot glass. Available forms: Boards: 1 m x 1 m, Boards: 40in x 40in, Available thickness: 2.5 mm - 12 mm, 3/32 in - 1/2 in. Applications: Glass Lehr rolls, Gaskets and seals, Furnace lining, Catwalk insulation, Ball mill insulation, High-temperature compression gasket. Advantages: Asbestos-free, Excellent thermal stability, High mechanical strength, Non-abrasive, Wet moldable. Information provided by Pyrotek.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pyrotek-U-1-Compressible-Board.php](http://www.lookpolymers.com/polymer_Pyrotek-U-1-Compressible-Board.php)

Physical Properties	Metric	English	Comments
Density	0.875 g/cc	0.0316 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	4.00 MPa	580 psi	ambient temperature
	1.80 MPa	261 psi	
	@Temperature 500 °C	@Temperature 932 °F	
Flexural Strength	3.50 MPa	508 psi	
	@Temperature 800 °C	@Temperature 1470 °F	
Compressive Strength	6.50 MPa	943 psi	
	7.00 MPa	1020 psi	0.27
	21.0 MPa	3050 psi	0.42

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.110 - 0.150 W/m-K	0.763 - 1.04 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	1000 °C	1830 °F	Continuous
Shrinkage	0.250 %	0.250 %	Width
	@Temperature 1000 °C	@Temperature 1830 °F	
	0.890 %	0.890 %	Length
	@Temperature 1000 °C	@Temperature 1830 °F	

Thermal Properties	1.90 % Metric	1.90 % English	Comments
	@Temperature 1000 °C	@Temperature 1830 °F	

Processing Properties	Metric	English	Comments
Moisture Content	3.0 %	3.0 %	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China