



Gemcolite® Ceramic Fiber Vacuum Formed Shapes – 2600 Series

Properties & Characteristics

* The intermittent use and the continuous use limit of GEMCOLITE® insulation is determined by irreversible linear change criteria, not product melting point.

Typical Physical Properties	
Color	Cream with identifying markings
* Intermittent Use Limit	2600°F (1462°C)
* Continuous Use Limit	2550°F (1400°C)
Nominal Density	14-18 lb./cft. (220-290 kg/m ³)
Typical Modulus of Rupture	
Green (unfired)	8.0 x 10 ⁵ N/m ² (115 lb/ft ²)
Fired	3.8 x 10 ⁵ N/m ² (55 lb/ft ²)
Typical Chemical Properties	
SiO ₂	56%
ZrO ₂	15%
Al ₂ O ₃	29%
Leachable Chlorides	< 15 ppm
Linear Firing Shrinkage Temperature (soaking heat condition)	
Weight Loss on Ignition	4-6%
Compressive Strength Stress - As Received	
1.4 x 10 ⁵ N/m ² (20 lb/in ²)	Deformation: 5%
1.7 x 10 ⁵ N/m ² (25 lb/in ²)	Deformation: 10%
Availability	
Thickness	1/4" to 2"; other thicknesses up to 7" available upon request
Sizes	-737mm x 610mm (29" x 24")-1219mm x 610mm (48" x 24") -914mm x 610mm (36" x 24")-1676mm x 838mm (66" x 33")

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