

Gemcolite® GH

Gemcolite® GH Material Overview

Gemcolite® GH is Refractory Specialties Inc's non-off-gassing high-density rigid panel. It uses man-made vitreous alumina-silicate fibers, and inorganic binders, to generate a very strong, high density flat panel insulation. It is best used in indoor applications, and areas that will not tolerate burn-off products from organic components. FG23-103 resists thermal shock allowing for faster cycle times. RSI makes GH in standard 12" X 36" X 1/4" size, but is always willing to make custom sizes and shapes. To answer any questions, or if you have special requirements that aren't covered by this product, call for our expert assistance at (330) 938-2101.

Gemcolite® GH Technical Information

<u>Property</u>	<u>Typical Results</u>
Density	32 to 36 lb/ft ³
Modulus of Rupture (MOR)	
Supplied	75 lb/in ² , Minimum
After First Use	70 lb/in ² , Minimum
Compressive Strength (10% Compression)	4000 lb/ft ²
Maximum Use Temperature	2300° F
Suggested Use Temperature	2150° F
Melting Point	3260° F
Linear Shrinkage	
1800° F	1.50%
2300° F	5.50%
Thermal Conductivity	
600° F	0.55 Btu-in/hr/ft ² /°F
800° F	0.63 Btu-in/hr/ft ² /°F
1200° F	0.92 Btu-in/hr/ft ² /°F
1600° F	1.35 Btu-in/hr/ft ² /°F
2000° F	1.97 Btu-in/hr/ft ² /°F
Typical Chemical Analysis (After Use)	
SiO ₂	65 % (By Weight)
Al ₂ O ₃	35 % (By Weight)

Other Information

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