



Gemcolite® Ceramic Fiber Insulation Board - 2600 Series

Properties & Characteristics

Standards and Options			
Standard Thickness	1/4" to 2" ; other thickness up to 7" available upon request		
Standard Size	24" x 29" , 24" x 36" , 24" x 48" , and 33" x 66" ; other sizes available		
Densities	-LD (14-18 lbs/ft ³) for most standard applications (available in wet blanket form) -MD (22-26 lbs/ft ³) where a slightly more rigid composition is required -HD (28-32 lbs/ft ³) for applications requiring rigid and/or abrasion-resistant composition		
Properties and Characteristics			
	LD	MD	HD
Color before Firing	Off-White	Off-White	Off-White
Color after Firing	White	White	White
Maximum Use Limit	2600° F (1430°C)	2600° F (1430° C)	2600° F (1430°C)
Melting Point	3260° F (1780°C)	3260° F (1780°C)	3260° F (1780°C)
Typical Chemical Analysis			
	LD	MD	HD
SiO ₂	55%	37%	29%
Al ₂ O ₃	26%	50%	61%
ZrO ₂	15%	10%	7%
Binders/Trace Elements	4%	3%	3%
Approximate Thermal Conductivity			
	Btu•in/hr•ft ² •°F		
Mean Temperature	LD	MD	HD
400° F (205° C)	0.36	0.52	N/A
800° F (425° C)	0.56	0.72	0.55
1200° F (650° C)	1.02	1.00	0.80
1600° F (870° C)	1.34	1.33	1.00
2000° F (1095° C)	2.00	1.82	1.22