

Gemcolite® FG23-101, FG23-112

Material Overview

FG23-101 **Gemcolite®** is Refractory Specialties Inc's standard insulating fiber board. Gemcolite FG23-112 is the high density (HD) formulation of FG23-101. Both use man-made vitreous alumina-silicate fibers, with organic and inorganic binders, to generate a strong board with excellent insulating properties while maintaining a low density when compared to insulating brick or monolithic refractory blocks and shapes. FG23-101 and FG23-112 resist thermal shock allowing for faster cycle times, and has excellent acoustic absorbing properties.

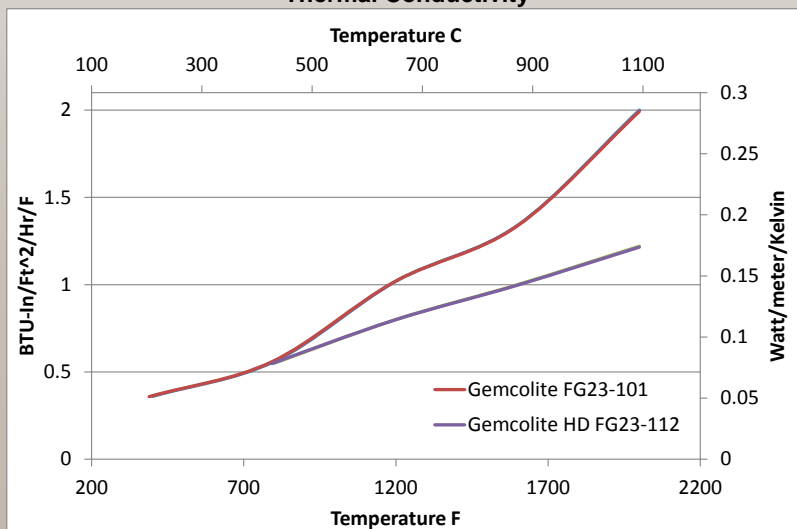
Refractory Specialties Inc's vast forming and machining capabilities allow **Gemcolite®** FG23-101 and FG23-112 to be made in a variety of shapes, besides standard boards and blocks, and can be tailor made to customer required shapes and specifications. This material is also easily cut and formed using hand-tools.

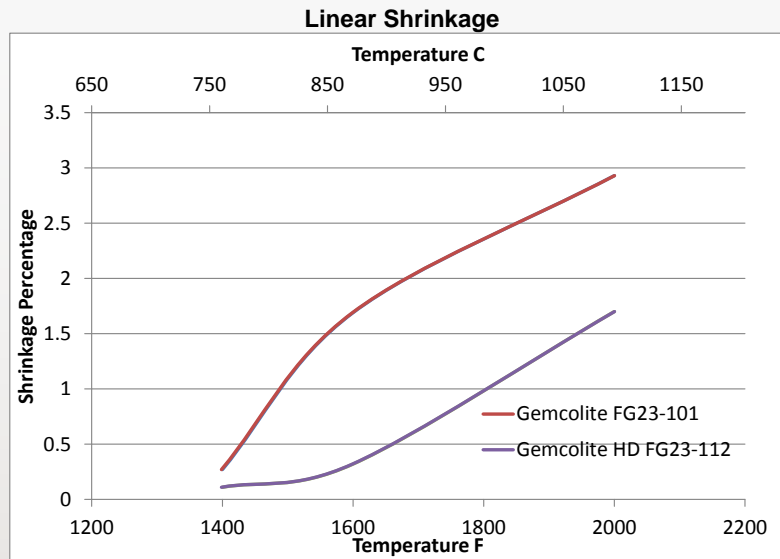
For answers to your questions, or if you have special requirements that aren't covered by this product, call for our expert assistance at (330) 938-2101.

Technical Information

<u>Property</u>	<u>Standard (LW)</u>	<u>High Density (HD)</u>
Density lb/ft ³ (kg/m ³)	14 to 18 (225 to 290)	20 to 24 (320 to 380)
Compressive Strength (10% Compression) lb/ft ² (kPa)	4000 (190)	5000 (240)
Maximum Use Temperature °F (°C)	2300 (1260)	2300 (1260)
Melting Point °F (°C)	3260 (1793)	3260 (1793)
Typical Chemical Analysis (By Weight After Use)		
SiO ₂	55%	55%
Al ₂ O ₃	45%	45%

Thermal Conductivity





Gemcolite® FG23-101, FG23-112 - Data are average results conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.

Refer to the product Safety Data Sheet (SDS) for recommended work practices and other product safety information.

For additional information about product performance or to identify the recommended product for your application, please contact Refractory Specialties, Inc. at (330) 938-2101.

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