

Unifrax Fiberfrax® Durablanket® 2600 Ceramic Fiber Insulator

Category : Ceramic , Oxide , Silicon Oxide

Material Notes:

Fiberfrax Durablanket 2600 insulation extends the high-temperature performance of the Durablanket product line. The product is made from high-purity alumina, zirconia, and silica spun ceramic fibers. This chemical composition, manufactured in a unique fiber-making process, imparts Durablanket 2600 insulation with extremely low shrinkage characteristics at elevated temperatures. Typical Applications Ceramic kilns (abrasives, sanitary ware, electrical insulators, etc.) Billet/slab reheat furnaces Seals, gaskets, batten strips Forge furnaces Refractory kilns BOF door/shields Soaking pit seals High-temperature kilns and furnaces Boiler linings Furnace door linings and seals Glass furnace crown insulation Incineration equipment Skid pipe insulation Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Durablanket-2600-Ceramic-Fiber-Insulator.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.73 g/cc	2.73 g/cc	
Density	0.0961 g/cc	0.00347 lb/in ³	Available
	0.128 g/cc	0.00463 lb/in ³	Available

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.13 J/g-°C @Temperature 1093 °C	0.270 BTU/lb-°F @Temperature 1999 °F	
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1343 °C	2449 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	29 - 31 %	29 - 31 %	
SiO ₂	53 - 55 %	53 - 55 %	
ZrO ₂	15 - 17 %	15 - 17 %	

Descriptive Properties	Value	Comments
Average Fiber Diameter (microns)	3.5	
Color	White	
Fiber Diameter (microns)	3.5	
Leachable Chlorides (ppm)	<10	

Descriptive Properties

Value

Comments

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