

Thermal Ceramics Kaomat Blanket

Category : Ceramic , Oxide

Material Notes:

Thermal Ceramics Kaomat insulation is a non-woven needle-felted "E" fiberglass mat. Kaomat is an economical insulating material used extensively in both the marine and commercial insulation markets. It is noncombustible, chemically stable, resists corrosion and is certifiable to MIL-I-24244 and NRC 1.36. Features: No "shot" blanket, Excellent dimensional stability, High tensile strength, Available in module form. Applications: Asbestos replacement, Steam and gas turbine blanket, Insulation of marine exhaust systems, Low temperature (

Order this product through the following link:

http://www.lookpolymers.com/polymer_Thermal-Ceramics-Kaomat-Blanket.php

Physical Properties	Metric	English	Comments
Density	0.144 g/cc	0.00520 lb/in ³	
Thickness	6300 microns	248 mil	
	13000 microns	512 mil	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0600 W/m-K	0.416 BTU-in/hr-ft ² -°F	
	@Temperature 149 °C	@Temperature 300 °F	
	0.0800 W/m-K	0.555 BTU-in/hr-ft ² -°F	
	@Temperature 260 °C	@Temperature 500 °F	
	0.0900 W/m-K	0.625 BTU-in/hr-ft ² -°F	
	@Temperature 371 °C	@Temperature 700 °F	
Maximum Service Temperature, Air	593 °C	1100 °F	Continuous
	649 °C	1200 °F	Rating
Shrinkage	2.00 %	2.00 %	Linear
	@Temperature 649 °C, Time 86400 sec	@Temperature 1200 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Fire Resistance	incombustible	

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