

## Unifrax Fiberfrax® Moist Pak-D® Ceramic Fiber Insulator

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Fiberfrax Moist Pak-D insulation is made from high-strength ceramic fiber blankets impregnated with inorganic bonding agents. This processing results in a flexible insulation that air dries to form a hard, rigid structure. Moist Pak-D is ideal for insulation of complex shapes and for service under conditions of high hot gas velocities. The material is packaged in a clear polyethylene bag to retain the wet binder during shipment and storage. Since damage will occur, care should be taken to prevent freezing of the product. Curing of product can be accomplished by air drying for several days or by immediate exposure to temperature in the application. Curing is merely a function of removing the water from the inorganic binder. Typical Applications Hot face layer for Fiberfrax heater, furnace and kiln linings where hot gas velocities exceed 12.2 m/sec (40 ft/sec) Hot gas duct, flue and stack linings Recuperator linings Blow pipe linings External and internal pipe insulation Reformer header insulation Process furnace tube weld protection Thermal and corrosion protection of process heater tube supports Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-Moist-Pak-D-Ceramic-Fiber-Insulator.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Moist-Pak-D-Ceramic-Fiber-Insulator.php)

Physical Properties	Metric	English	Comments
Density	0.192 - 0.288 g/cc	0.00694 - 0.0104 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.117 MPa	17.0 psi	Wet; ASTM 686-76
	0.345 MPa	50.0 psi	Dry; ASTM 686-76

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.13 J/g-°C	0.270 BTU/lb-°F	
	@Temperature 1093 °C	@Temperature 1999 °F	
Melting Point	1790 °C	3250 °F	
Maximum Service Temperature, Air	1010 °C	1850 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	23 - 32 %	23 - 32 %	
SiO2	68 - 77 %	68 - 77 %	

Descriptive Properties	Value	Comments
Color	White	
Fiber Diameter (microns)		

Descriptive Properties	Value	Comments
Na2O3 (%)	<0.5	
Temperature Grade (°C)	1093	

## Contact Songhan Plastic Technology Co.,Ltd.

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