

Unifrax Fiberfrax® LDS AL-Moldable Moldable Insulation

Category : Ceramic

Material Notes:

Fiberfrax LDS and LDS-AL moldables consist of Fiberfrax ceramic fibers dispersed in a sticky water-based refractory binder. These materials have a putty-like consistency which permits application by caulking, troweling, or hand forming. Both products adhere well to most surfaces. Drying is accomplished at a noncritical, elevated temperature, and the resulting dried material is strong, hard, and erosion resistant. LDS-AL moldable possesses excellent resistance to wetting by many nonferrous molten metals and is used extensively in molten aluminum contact applications. Typical Applications Lining for molten aluminum transfer troughs Lining for molten aluminum transfer ladles Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-LDS-AL-Moldable-Moldable-Insulation.php

Physical Properties	Metric	English	Comments
Density	0.721 g/cc	0.0260 lb/in ³	Dry
	1.28 g/cc	0.0463 lb/in ³	Wet
Solids Content	50 %	50 %	
Loss On Ignition	55 %	55 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.00259 GPa	0.375 ksi	Dry

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1093 °C	1999 °F	Recommended Operating Temperature
Shrinkage	4.0 %	4.0 %	
	@Temperature 1090 °C, Time 86400 sec	@Temperature 1990 °F, Time 24.0 hour	

Descriptive Properties	Value	Comments
Appearance	Sticky putty	
Molten Aluminum Wetting Resistance	Excellent	
Temperature Grade (°F)	2300	

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