

## Unifrax Fiberfrax® Lo-Con™ Felt

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

Fiberfrax® Lo-Con™ felt and Duraset® flet are unique product forms in the Unifrax Corporation's extensive ceramic fiber product family. Felt products extend the performance of Fiberfrax papers in a product form with lower densities and increased mat thickness. Felt products are compressible but resilient; they conform to irregular surfaces yet have sufficient integrity to hold their shape in gaskets and formed parts. Both felt grades are wet laid, uniform, ceramic fiber mats which have been impregnated with a thermosetting resin. In Lo-Con flet, this resin has been precured to produce a semi-flexible rolled sheet. The binders in Duraset have been left uncured so they can be molded under heat and pressure to retain a complex shape after processing. The organic binders remain functional at low and moderate temperatures (to 650°F); however, the core ceramic fiber materials will provide consistent performance at temperatures well in excess of 2000°F, providing excellent thermal insulation in a wide range of applications. Fiberfrax Lo-Con felt is a lightweight, flexible batting created from Fiberfrax Bulk ceramic fibers interlocked to form a strong, resilient insulation. It is manufactured by a unique wet felting process which removes unfiberized particles to produce a clean, efficient ceramic fiber felt insulation. A small amount of non-flaming organic binder is added to provide improved handling properties for easier installation in applications where organic burnout at low temperatures is acceptable. Product Advantages Formability Flexibility High temperature stability Low thermal conductivity Low heat storage Weight reduction Thermal shock resistance High heat reflectance Excellent corrosion resistance Easy to wrap, shape, and cut Typical Applications Exhaust Duct Insulation Commercial Appliances Home Security Boxes Expansion Joints Domestic Appliances Gasketing and Sealing Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-Lo-Con-Felt.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-Lo-Con-Felt.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.73 g/cc	2.73 g/cc	
Density	0.0737 g/cc	0.00266 lb/in <sup>3</sup>	Nominal Core Density
Loss On Ignition	4.0 %	4.0 %	

Thermal Properties	Metric	English	Comments
Melting Point	1760 °C	3200 °F	
Maximum Service Temperature, Air	1260 °C	2300 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	40 - 45 %	40 - 45 %	
SiO2	50 - 55 %	50 - 55 %	

Descriptive Properties	Value	Comments
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<b>Color</b> Descriptive Properties	<b>Tan</b> Value	Comments
Fiber Index (% Wt)	70	
Other Inorganics (%)	<5	
Temperature Grade (°C)	1260	

## Contact Songhan Plastic Technology Co.,Ltd.

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