

## Unifrax Fiberfrax® HSA Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

### Material Notes:

HSA paper is made from high surface area (HSA) fibers that contain a low percentage of unfiberized material. Use of this fiber results in a paper with lighter weight and extremely low thermal conductivity, making it the choice of the aerospace industry. It is also used when uniform pore structure and a low content of unfiberized material are required in applications such as glass contact or gas filtration. Information Provided by Unifrax I LLC

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unifrax-Fiberfrax-HSA-Ceramic-Fiber-Paper.php](http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-HSA-Ceramic-Fiber-Paper.php)

Physical Properties	Metric	English	Comments
Density	0.160 g/cc	0.00579 lb/in <sup>3</sup>	
Loss On Ignition	3.0 %	3.0 %	including binder

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	0.379 MPa	55.0 psi	As manufactured

Thermal Properties	Metric	English	Comments
Melting Point	1704 °C	3099 °F	
Maximum Service Temperature, Air	1100 °C	2010 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al2O3	47 - 52 %	47 - 52 %	
Fe2O3	<= 0.050 %	<= 0.050 %	
SiO2	47 - 52 %	47 - 52 %	

Descriptive Properties	Value	Comments
Color	White	
Fiber Index (% Wt)	100	
Na2O3 (%)	<0.5	
Temperature Grade (°C)	1260	

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