

Unifrax Fiberfrax® 110 Ceramic Fiber Paper

Category : Ceramic , Oxide , Aluminum Oxide , Silicon Oxide

Material Notes:

110 paper is a clay-filled, sheeted ceramic fiber paper which is denser and more rigid than other standard grade products. The rigidity is maintained even after burnout of the organic bonding agents. The good dielectric strength, compression resistance, and die cutting characteristics of 110 paper are advantageous in many high-temperature gasketing applications. Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-Fiberfrax-110-Ceramic-Fiber-Paper.php

Physical Properties	Metric	English	Comments
Density	0.288 g/cc	0.0104 lb/in ³	
Loss On Ignition	8.5 %	8.5 %	including binder

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	1.71 MPa	248 psi	As manufactured
Tensile Strength, Yield	1.01 MPa	147 psi	As manufactured
Compressive Strength	0.0276 MPa	4.00 psi	10% deformation
	0.179 MPa	26.0 psi	25% deformation
	1.15 MPa	167 psi	50% deformation

Thermal Properties	Metric	English	Comments
Melting Point	1538 °C	2800 °F	
Maximum Service Temperature, Air	1040 °C	1900 °F	Recommended Operating Temperature

Component Elements Properties	Metric	English	Comments
Al ₂ O ₃	45 - 50 %	45 - 50 %	
Fe ₂ O ₃	<= 1.1 %	<= 1.1 %	
SiO ₂	40 - 44 %	40 - 44 %	

Descriptive Properties	Value	Comments
Color	Tan	
Na ₂ O ₃ (%)	<1.5	

Temperature Grade (°C)

Descriptive Properties	1260 Value	Comments
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