

Unifrax XPE® AV2/AV2i Substrate Support Mat

Category : Ceramic

Material Notes:

XPE®-AV2 is an advanced intumescent expanding mat designed to function as mechanical support for the ceramic substrate and act as an exhaust gas seal while providing thermal insulation. When compared to traditional expanding mats, XPE-AV2 offers improved holding force at low temperatures as well as superior erosion resistance. XPE®-AV2i offers the same performance with the following benefits: Lower organic content resulting in improved mat performance and converter robustness Improved handling properties which will reduce part defects during canning operations Eliminates the need for tape backing XPE-AV2/AV2i advanced expanding mat offers excellent thermal stability with a continuous use temperature of 800°C average mat temperature. The mat expands with increasing relative thickness when first exposed to temperatures in excess of 325°C. Information Provided by Unifrax I LLC

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unifrax-XPE-AV2AV2i-Substrate-Support-Mat.php

Physical Properties	Metric	English	Comments
Loss On Ignition	6.0 - 15 %	6.0 - 15 %	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	>= 0.100 MPa	>= 14.5 psi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.180 W/m-K @Temperature 650 °C	1.25 BTU-in/hr-ft²-°F @Temperature 1200 °F	ASTM C177

Descriptive Properties	Value	Comments
Fiberfrax® Fibers (%)	42-54	
Vermiculite (%)	40-50	

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