

## Skamol Group SKAMOLEX V-1100 (475) Customized Shape

Category : Ceramic

### Material Notes:

SKAMOLEX customized shapes have the following characteristics: Max. service temperature: Up to 1150°C (2102°F) Hot-face applications or back-up insulation A large variety of specialized and versatile highly insulating refractory panels and shapes made of vermiculite Resistant to high temperatures, withstand direct flame impingement Good electrical resistivity Customized designs: Special shapes or panels, surface pattern and two-dimensional effects Available in various combinations of bulk density, insulation properties and compressive strength Have a myriad of uses and are ideally suited for lining hearth and heating appliances such as fireplaces, gasfires and stoves as well as night storage heaters, domestic boilers, and cooking appliances Also used in high temperature industries where special designs are required, possibly in combination with calcium silicate slabs. Information provided by Skamol.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Skamol-Group-SKAMOLEX-V-1100-475-Customized-Shape.php](http://www.lookpolymers.com/polymer_Skamol-Group-SKAMOLEX-V-1100-475-Customized-Shape.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.481 g/cc	0.0174 lb/in <sup>3</sup>	Dry

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.000800 GPa	0.116 ksi	EN 993-6: 1995
Compressive Strength	2.50 MPa	363 psi	EN 1094-5: 1995

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	0.940 J/g-°C	0.225 BTU/lb-°F	
Thermal Conductivity	0.140 W/m-K @Temperature 200 °C	0.972 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 392 °F	Mean temp.; ASTM C-182
	0.170 W/m-K @Temperature 400 °C	1.18 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 752 °F	ASTM C-182
	0.190 W/m-K @Temperature 600 °C	1.32 BTU-in/hr-ft <sup>2</sup> - °F @Temperature 1110 °F	ASTM C-182
Maximum Service Temperature, Air	1100 °C	2010 °F	
Shrinkage	1.00 %	1.00 %	Linear Reheat Shrinkage; EN 1094-6: 1999
	@Temperature 1000 °C, Time 43200 sec	@Temperature 1830 °F, Time 12.0 hour	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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