

MarkeTech H-4 Honeycomb Ceramic

Category : Ceramic , Oxide , Aluminum Oxide

Material Notes:

MarkeTech International special honeycomb ceramics have a uniform lattice structure, low expansion coefficient, good thermal shock resistance, higher specific surface area, low-pressure drop, and low density. They are available in cordierite or mullite ceramic. Cordierite honeycomb ceramics are mainly used as catalyst support for the automobile and for purification waste gas of industrial organic processing, and as filters in melting metal.

Order this product through the following link:

http://www.lookpolymers.com/polymer_MarkeTech-H-4-Honeycomb-Ceramic.php

Physical Properties	Metric	English	Comments
Density	0.450 g/cc	0.0163 lb/in ³	
Water Absorption	25 - 30 %	25 - 30 %	
Porosity	45 - 50 %	45 - 50 %	
Specific Surface Area	5.0 - 10 m ² /g	5.0 - 10 m ² /g	

Mechanical Properties	Metric	English	Comments
Compressive Strength	>= 4.00 MPa	>= 580 psi	Perpendicular to holes
	>= 12.0 MPa	>= 1740 psi	Parallel to holes

Thermal Properties	Metric	English	Comments
CTE, linear	1.50 - 1.80 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	0.833 - 1.00 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	
Melting Point	1360 $\text{Å}^\circ\text{C}$	2480 $\text{Å}^\circ\text{F}$	

Descriptive Properties	Value	Comments
Hole Density	400/inch	
Wall Thickness	0.25 mm	

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