

Microcell

MicroCell Material Overview

Microcell is Refractory Specialties Inc's high-efficiency insulation material. It uses a special blend of refractory materials to provide excellent insulation properties where weight or size is critical, or where absolute minimum cold-face temperature is required. MicroCell is available in a silica based formulation. It can be used as a loose-fill material, sealed and bagged in a pliable shape, or formed into boards for custom machining, and can be machined on site to meet customer specifications. To answer any questions, or if you have special requirements that aren't covered by this product, call for our expert assistance at (330) 938-2101.

MicroCell Technical Information

<u>Property</u>	<u>MicroCell Silica</u>
Density	16 lb/ft ³
Modulus of Rupture (MOR)	
Supplied	N/A
After First Use	N/A
Compressive Strength (10% Compression)	22000 lb/ft ²
Maximum Continuous Use Temperature	1800° F
Maximum Suggested Use Temperature	1650° F
Linear Shrinkage	
1800° F	0.5 %
Thermal Conductivity	
400° F	0.20 Btu-in/hr/ft ² /°F
800° F	0.25Btu-in/hr/ft ² /°F
1200° F	0.37 Btu-in/hr/ft ² /°F
1600° F	0.52Btu-in/hr/ft ² /°F
Typical Chemical Analysis (After Use)	
SiO ₂	35 % (By Weight)
Al ₂ O ₃	10 % (By Weight)
Other	55% (By Weight)

Other Information

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