

Aremco Ceramacast™ 905 Silicon-Ceramic Potting Compound

Category : Ceramic , Oxide , Silicon Oxide , Polymer , Thermoset , Silicone

Material Notes:

Ceramacast™ 905 is a silicone-bonded, ceramic filled high temperature adhesive and potting compound.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Ceramacast-905-Silicon-Ceramic-Potting-Compound.php

Physical Properties	Metric	English	Comments
Density	0.575 g/cc	0.0208 lb/in ³	L
	1.15 g/cc	0.0416 lb/in ³	P
Porosity	<= 1.0 %	<= 1.0 %	after 900°F

Thermal Properties	Metric	English	Comments
CTE, linear	3.60 µm/m-°C	2.00 µin/in-°F	
Maximum Service Temperature, Air	482 °C	900 °F	
Shrinkage	<= 1.00 % @Temperature 482 °C	<= 1.00 % @Temperature 900 °F	900°F

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+9 ohm-cm	1.00e+9 ohm-cm	
Dielectric Strength	>= 9.84 kV/mm	>= 250 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 65.6 - 232 °C	0.500 hour @Temperature 150 - 450 °F	
	720 - 960 min @Temperature 22.0 °C	12.0 - 16.0 hour @Temperature 71.6 °F	
Shelf Life	6.00 Month	6.00 Month	L
	12.0 Month	12.0 Month	P

Descriptive Properties	Value	Comments
Acid Resistance	Good	

Alkali Resistance Descriptive Properties	Good Value	Comments
Color	Off-White	
Mix Ratio By Weight	2:1	powder:liquid
Moisture Resistance	Excellent	

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