

## Aremco Ceramacast™ 673 Castable Ceramic

Category : Ceramic , Carbide , Potting/Casting Ceramic

### Material Notes:

Chemical setting. Two-part ceramic exhibiting high thermal conductivity. Used to pot small temperature sensors, gas igniters, and high intensity lights. Applied in areas up to 1" diameter by 1" depth, then air set for 2-4 hours and cured at 200 °F prior to operation. Two-part systems are used to produce high temperature molds and fixtures.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramacast-673-Castable-Ceramic.php](http://www.lookpolymers.com/polymer_Aremco-Ceramacast-673-Castable-Ceramic.php)

Physical Properties	Metric	English	Comments
Bulk Density	1.44 g/cc	0.0520 lb/in <sup>3</sup>	Powder
Open Porosity	9.0 %	9.0 %	
pH	5.0 - 6.0	5.0 - 6.0	
Viscosity	16000 cP	16000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Compressive Strength	34.0 MPa	4930 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	6.80 μm/m-°C	3.78 μin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	36.0 W/m-K	250 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	1370 °C	2500 °F	
Shrinkage	<= 1.00 %	<= 1.00 %	

Processing Properties	Metric	English	Comments
Pot Life	<= 20.0 min	<= 20.0 min	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Acid Resistance	Good	
Alkali Resistance	Good	
Color	Gray	

Descriptive Properties	Value	Comments
Moisture Resistance	Good	

## Contact Songhan Plastic Technology Co.,Ltd.

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