

Zircar Zirconia ZR-RIG Zirconia Rigidizer

Category : Ceramic , Machinable Ceramic , Oxide , Zirconium Oxide

Material Notes:

Zircar Zirconia Rigidizer Type ZR-RIG is formulated for the surface hardening of all Zircar zirconia fiber products and for use in the fabrication of zirconia composites from Zircar zirconia textiles. Such composites are comprised of a matrix of zirconia fibers reinforced with sub-micron zirconia particles. Type ZR-RIG has the same fired composition as Zircar zirconia fibers and forms a fully stabilized zirconia body upon curing. ZR- RIG contains sub-micron particles of yttria-stabilized zirconia suspended in a zirconium acetate aqueous solution. The water based rigidizer, as supplied, has the consistency of a light house paint. Should the rigidizer become too thick during use for complete penetration into the surface of the zirconia fiber product, the rigidizer can be thinned by small additions of de-ionized or distilled water. Features: High Purity High Temperature Stability to 2200°C Withstands Water and Steam after curing Safe to Use – Non-Flammable Available in Two Sizes; Pint or Quart Available 'Off the Shelf' Information provided by Zircar Zirconia.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Zirconia-ZR-RIG-Zirconia-Rigidizer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.87 g/cc	1.87 g/cc	
Solids Content	53 %	53 %	

Thermal Properties	Metric	English	Comments
Melting Point	2590 °C	4690 °F	

Component Elements Properties	Metric	English	Comments
HfO2	1.0 - 2.0 %	1.0 - 2.0 %	
Y2O3	10 %	10 %	
ZrO2	88 - 89 %	88 - 89 %	

Descriptive Properties	Value	Comments
Trace Inorganics	<0.3%	
Weight Per Pint	885 grams	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China