

Zircar Ceramics SI-RIG Silica Rigidizer

Category : Ceramic , Oxide , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Type SI-RIG Silica Rigidizer is a single part water based colloidal suspension of colloidal silica. It is principally used for rigidizing and hardening the surfaces of ZIRCAR® fibrous ceramic products, but is also widely used as a coating agent and binder. Information provided by Zircar Ceramics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zircar-Ceramics-SI-RIG-Silica-Rigidizer.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	
Particle Size	0.020 µm	0.020 µm	
pH	9.3	9.3	
Specific Surface Area	150 m ² /g	150 m ² /g	
Viscosity Measurement	20 @Temperature 25.0 °C	20 @Temperature 77.0 °F	no units given

Component Elements Properties	Metric	English	Comments
Na2O	0.080 %	0.080 %	
SiO2	40 %	40 %	

Descriptive Properties	Value	Comments
Color	White	
Stabilizing Ion	Ammonium	
Surface Charge	Negative	

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