

Saint-Gobain Quartzel® Fabric/Cyanate Ester Resin Composite

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS

Material Notes:

Fiber: Quartzel® 8 Harness Fabric Style 581. Resin 954-2A System. Quartzel® fiber is produced from quartz crystal that is ground, purified, fiberized by a fusion process. It is homogeneous, non-porous, continuous, amorphous, ultra pure silica glass. It is often used as a reinforcing agent for high performance composites. Different grades and sizes of Quartzel® offer optimized compatibility with different resin systems. Information provided by Saint-Gobain Quartz PLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-Quartzel-FabricCyanate-Ester-Resin-Composite.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	606 MPa	87900 psi	90° Fiber Direction
	655 MPa	95000 psi	0° Fiber Direction
Modulus of Elasticity	22.0 GPa	3190 ksi	0° Fiber Direction; In Tension
Flexural Strength	764 MPa	111000 psi	0° Fiber Direction
Compressive Yield Strength	524 MPa	76000 psi	0° Fiber Direction
Compressive Modulus	23.4 GPa	3390 ksi	0° Fiber Direction

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