

Saint-Gobain Quartzel[®] Fiber/Cyanate Ester Resin Unidirectional Composite

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

Material Notes:

Fiber: Quartzel[®] Silica Roving C9 667 QS16 (33). Resin: YLA RS-3C. 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-FiberCyanate-Ester-Resin-Unidirectional-Composite.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	50.0 MPa	7250 psi	90° Fiber Direction; ASTM D3039
	1471 MPa	213400 psi	0° Fiber Direction; ASTM D3039
Modulus of Elasticity	45.3 GPa	6570 ksi	0° Fiber Direction; In Tension; ASTM D3039
Compressive Yield Strength	838 MPa	122000 psi	0° Fiber Direction; ASTM D3410
Compressive Modulus	45.0 GPa	6530 ksi	0° Fiber Direction; ASTM D3039
Shear Strength	86.5 MPa	12500 psi	Interlaminar; 0° Fiber Direction; ASTM D2344

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