

Quantum Composites QC-8816 66% Glass Fiber Reinforced Polyester Hybrid SMC

Category : Polymer , Thermoset , Composite SMC , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

QC-8816 is a polyester hybrid engineered structural composite molding compound reinforced with continuous, unidirectional (0°) glass fibers. It provides high strength, stiffness and fatigue resistance in the fiber direction, and can be used to selectively reinforce other materials. Form = Rolled Sheet Color = Black, Natural Glass Fiber Content = 66% nominal Glass Fiber Length = Continuous Information provided by Quantum Composites.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quantum-Composites-QC-8816-66-Glass-Fiber-Reinforced-Polyester-Hybrid-SMC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.95 g/cc	1.95 g/cc	ASTM D792
Linear Mold Shrinkage	0.00 cm/cm	0.00 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	68	68	ASTM D2583
Tensile Strength	483 MPa	70100 psi	ASTM D638
Flexural Strength	931 MPa	135000 psi	ASTM D790
Flexural Modulus	34.5 GPa	5000 ksi	ASTM D790
Izod Impact, Notched	22.24 J/cm	41.66 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Processing Temperature	132 - 149 °C @Thickness 12.7 mm	270 - 300 °F @Thickness 0.500 in	Compression Molding
Clamp Pressure	2.07 - 6.89 MPa	300 - 1000 psi	
Cure Time	3.00 - 5.00 min @Thickness 6.35 mm, Temperature 138 °C	0.0500 - 0.0833 hour @Thickness 0.250 in, Temperature 280 °F	
Shelf Life	2.00 Month @Temperature 23.9 °C	2.00 Month @Temperature 75.0 °F	

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