

Quantum Composites QC-8805 66% Glass Fiber Vinyl Ester SMC (discontinued **)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Vinyl Ester , Vinyl Ester Sheet Molding Compound

Material Notes:

QC-8805 is a vinyl ester-based sheet molding compound (SMC) 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 QC-8800 and other materials. Form and Color = Rolled Sheet, Black. Glass Fiber Length = Continuous. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quantum-Composites-QC-8805-66-Glass-Fiber-Vinyl-Ester-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.95 g/cc	0.0704 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	68	68	ASTM D2583
Tensile Strength, Ultimate	620 MPa	89900 psi	ASTM D638
Flexural Yield Strength	1100 MPa	160000 psi	ASTM D790
Flexural Modulus	41.3 GPa	5990 ksi	ASTM D790
Izod Impact, Notched	37.0 J/cm	69.3 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Processing Temperature	132 - 149 °C	270 - 300 °F	Mold temperature

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