

Quantum Composites QC-8770 63% Glass Fiber Hybrid Vinyl Ester SMC (discontinued **)

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

Material Notes:

QC-8770 is a hybrid vinyl ester-based sheet molding compound (SMC) designed for compression molding of components requiring high structural strength. It exhibits unusual toughness, and excellent stiffness, and is suggested for applications subject to impacts and rough handling. QC-8770 is also suggested for applications requiring excellent fatigue resistance. It offers higher temperature capability than QC-8800. Form and Color = Rolled Sheet, Black. Glass Fiber Length = 1 inch. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quantum-Composites-QC-8770-63-Glass-Fiber-Hybrid-Vinyl-Ester-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	ASTM D792
Water Absorption	0.15 %	0.15 %	24 Hrs. ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	344 MPa	49900 psi	ASTM D638
Tensile Modulus	24.0 GPa	3480 ksi	ASTM D638
Flexural Yield Strength	344 MPa	49900 psi	ASTM D790
Flexural Modulus	20.0 GPa	2900 ksi	ASTM D790
Izod Impact, Notched	18.7 J/cm	35.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Shrinkage	0.00 %	0.00 %	

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

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