

Quantum Composites QC-3450 48% Glass Fiber High Temperature Use SMC (discontinued **)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset

Material Notes:

QC-3450 is highly reinforced with glass fibers. It is designed for compression molding of components requiring high structural strength and good resistance to elevated temperatures. Long-term use temperature is around 375°F. Form and Colors = Rolled Sheet, Black/Natural.

Glass Fiber Length = .5 inch.Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quantum-Composites-QC-3450-48-Glass-Fiber-High-Temperature-Use-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	186 MPa	27000 psi	ASTM D638
Flexural Yield Strength	330 MPa	47900 psi	ASTM D790
Flexural Modulus	14.5 GPa	2100 ksi	ASTM D790
Compressive Yield Strength	196 MPa	28400 psi	ASTM D695
Izod Impact, Notched	14.4 J/cm	27.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	190 °C	374 °F	Long Term
Shrinkage	0.00050 %	0.00050 %	

Processing Properties	Metric	English	Comments
Processing Temperature	132 - 160 °C	270 - 320 °F	Mold temperature

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