

Quantum Composites QC-2130 Phenolic 25% Glass Fiber SMC (discontinued **)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Phenolic , Phenolic/Glass Fiber SMC

Material Notes:

QC-2130 is a glass-reinforced sheet molding compound based on a phenolic resin matrix. It exhibits outstanding low flammability characteristics. QC-2130 is recommended for applications such as aircraft interiors and public transportation components requiring composite materials having very low flammability, low smoke, and minimal generation of toxic gases. Form and Color = Roll, Natural & Black. Glass Length = 1 inch. Data provided by the manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Quantum-Composites-QC-2130-Phenolic-25-Glass-Fiber-SMC-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	75.0 MPa	10900 psi	ASTM D638
Tensile Modulus	13.0 GPa	1890 ksi	ASTM D638
Flexural Yield Strength	137 MPa	19900 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 ksi	ASTM D790
Izod Impact, Notched	2.67 J/cm	5.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	5V UL94 at 1 mm
Oxygen Index	46 %	46 %	ASTM D2863
Shrinkage	0.0010 %	0.0010 %	

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

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