

Rostone Rosite® 3950ES SMC Thermoset Polyester, 25% Glass Reinforced (discontinued **)

Category : Polymer , Thermoset , Composite SMC , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

Key Features: High Strength; High DielectricElectrical grade material that provides higher flexural and impact strength than Rosite 3550 composites with comparable glass fiber content. 3950ES is formulated to reduce warpage in large, flat electrical support devices compared to standard electrical grade SMCs. Information provided by Oneida-Rostone Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rostone-Rosite-3950ES-SMC-Thermoset-Polyester-25-Glass-Reinforced-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.85 g/cc	0.0668 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	shrinkage

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	65.5 MPa	9500 psi	ASTM D638
Flexural Strength	172 MPa	24900 psi	ASTM D790
Flexural Modulus	10.3 GPa	1490 ksi	ASTM D790
Izod Impact, Notched	7.50 J/cm	14.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	0.058 inch

Electrical Properties	Metric	English	Comments
Electrical Resistivity	6.00e+14 ohm-cm	6.00e+14 ohm-cm	ASTM D257
Dielectric Strength	13.4 kV/mm	340 kV/in	Short Time; ASTM D149
Arc Resistance	185 sec	185 sec	ASTM D495

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