

Glastic GLASGUARD 1130 Corrosion-Resistant Panels

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

Material Notes:

GlasGuard Grade 1130 is a fiberglass-reinforced thermoset polymer composite system which is available as sheet stock or in a variety of pultruded shapes. Grade 1130 possesses flame resistance, corrosion resistance, weatherability, and dielectric properties. This material meets NEMA criteria for grade GPO-3. Grade 1130 was developed to meet the requirements of the NYC Transit Authority. It has been pultruded into channel shaped covers for the electrified third rail and molded into flat panels for both a sign material and switchgear components. Information provided by Glastic Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Glastic-GLASGUARD-1130-Corrosion-Resistant-Panels.php

Physical Properties	Metric	English	Comments
Water Absorption	0.10 %	0.10 %	% by wt.; ASTM D-570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	101 MPa	14600 psi	Lengthwise; ASTM D-638
	110 MPa	16000 psi	Crosswise; ASTM D-638
Tensile Modulus	10.3 GPa	1490 ksi	Lengthwise/Crosswise; ASTM D-638
Flexural Strength	141 MPa	20400 psi	Lengthwise; ASTM D-790
	161 MPa	23300 psi	Crosswise; ASTM D-790
Flexural Modulus	9.58 GPa	1390 ksi	Crosswise; ASTM D-790
	9.72 GPa	1410 ksi	Lengthwise; ASTM D-790
Adhesive Bond Strength	42.1 MPa	6100 psi	lbs.; NEMA 11.11
Izod Impact, Notched	6.03 J/cm	11.3 ft-lb/in	ASTM D-256

Thermal Properties	Metric	English	Comments
Flammability, UL94	V-0	V-0	
Flame Spread Index	12	12	Radiant Panel; ASTM E-162
	20	20	UL Standard 723; ASTM E-84

Electrical Properties	Metric	English	Comments
Dielectric Strength	12.4 kV/mm	315 kV/in	Perpendicular S/T in Air; ASTM D-149
Arc Resistance	192 sec	192 sec	ASTM D-495

Electrical Properties	Metric	English	Comments
Track Resistance	42,200 sec	42,200 sec	Inclined Plane; ASTM D-2303

Descriptive Properties	Value	Comments
Electric Strength kV, ASTM D149	75	Parallel, Condition A
	79	Parallel, Condition D (48/50)
Smoke Developed	115	ASTM E-84
Standard Color	Gray	
UL Recognition File Number	R9599	
UL Standard 723 Fuel Contributed	0	ASTM E-84

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