

Glastic 1130 Angles, Channels, and Structural Shapes

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

Material Notes:

Information provided by Glastic Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Glastic-1130-Angles-Channels-and-Structural-Shapes.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
Track Resistance	52200 sec	52200 sec	Inclined Plane; ASTM D-2303

Descriptive Properties	Value	Comments
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Electric Strength kV, ASTM D149 Descriptive Properties	75 Value	Parallel, Condition A Comments
	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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