

Glastic 1125 Corrosion-Resistant Panels

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

Material Notes:

Glastic® Corrosion-Resistant Panels are ideal for applications where resistance to both flame, and the splash or spill of laboratory chemicals is important. Glastic® Grade 1125 is asbestos-free, fiberglass-reinforced polyester resin sheet that offers low smoke generation when exposed to flame. This material has very low water absorption characteristics, along with excellent splash and spill resistance to acids, weak bases and aliphatic hydrocarbons. Grade 1125 is UL classified, has high strength, and has a bright white finish (no painting necessary). Some applications include fume hood liners, chemical storage cabinets and wall surfaces. Information provided by Glastic Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Glastic-1125-Corrosion-Resistant-Panels.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.81 g/cc	1.81 g/cc	ASTM D-792
Water Absorption	0.40 %	0.40 %	% by wt.; ASTM D-570

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	51.7 MPa	7500 psi	ASTM D-638
Tensile Modulus	11.7 GPa	1700 ksi	ASTM D-638
Flexural Strength	145 MPa	21000 psi	ASTM D-790
	88.9 MPa @Temperature 130 °C	12900 psi @Temperature 266 °F	ASTM D-790
Compressive Strength	224 MPa	32500 psi	ASTM D-695
Izod Impact, Notched	4.48 J/cm	8.40 ft-lb/in	ASTM D-256

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 µm/m-°C @Temperature 20.0 °C	11.1 µin/in-°F @Temperature 68.0 °F	ASTM D-696
Thermal Conductivity	0.270 W/m-K	1.87 BTU-in/hr-ft²-°F	ASTM C-177
Flame Spread Index	20	20	Canadian Calculation; ASTM E-84
	25	25	United States Calculation; ASTM E-84
Oxygen Index	35 %	35 %	ASTM D-2863

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Smoke Developed		115	ASTM E-84
Standard Color		White	
UL Recognition File Number		R9599	NEMA LI-1

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