

Technical Data Sheet

Glastic® GlasGuard™ 1130

GFK-UP

Typical characteristics

- Flame retardant
- Corrosion resistant
- Weatherability

Typical industries

- Rail Technology and Vehicles
- Electrical Industry
- Electrical Insulating Components

	Test method	Unit	Guideline value
General properties			
Part Number			1130
Standard Color			Gray
UL Temperature Index - Electrical	UL 746B	°C	130
UL Temperature Index - Mechanical	UL 746B	°C	160
Mechanical properties			
Compressive Strength	ASTM D 695	psi	40,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	11.3
Tensile Strength, lengthwise	ASTM D 638	psi	14,600
Tensile Strength, crosswise	ASTM D 638	psi	16,000
Flexural Strength, lengthwise	ASTM D 790	psi	20,400
Flexural Strength, crosswise	ASTM D 790	psi	23,300
Flame resistance properties			
UL Subject 94	UL 94		VO
Radiant Panel Flame Spread	ASTM E 162		12
Tunnel Test - Flame Spread	ASTM E 84 / UL 723		20
Composition of smoke			
Aldehydes		ppm	18
Carbon Monoxide		ppm	105
Carbon Dioxide		ppm	6,800
Oxides of Nitrogen		ppm	19
Hydrogen Cyanide		ppm	1

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	Test method	Unit	Guideline value
Vinyl Chloride		ppm	0.3
Physical properties			
Water Absorption	ASTM D 570	% by wt.	0.1
Dielectrical properties			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	316
Arc Resistance	ASTM D 495	sec.	192
Inclined Plane Track Resistance	ASTM D 2303	min.	870

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