

Technical Data Sheet

Glastic® SG-200 Corner Angles

GFK-UP

Typical characteristics

- Strong, excellent retention of properties at elevated temperature, easily fabricated
- Good dimensional stability

Typical industries

- Generator and Motor
- Dry transformers
- Electrical Industry
- Electrical Insulating Components
- Switchgear
- Transformer

	Test method	Unit	Guideline value
General properties			
Standard Color			Tan
UL Temperature Index - Electrical	UL 746B	°C	210
UL Temperature Index - Mechanical	UL 746B	°C	210
Mechanical properties			
Flexural Strength	ASTM D 790	psi	80,000
Tensile Strength	ASTM D 638	psi	70,000
Tensile Modulus	ASTM D 638	psi X 10 ⁶	3
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	40
In-Plane Shear Strength	ASTM D 3914	psi	3,000
Compressive Strength - Axial	ASTM D 695	psi	50,000
Compressive Strength - Transverse	ASTM D 695	psi	14,000
Thermal properties			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10 ⁻⁵	0.7
Thermal Conductivity	ASTM C 177	BTUIn/HrFt ² °F	2
Flame resistance properties			
UL Subject 94	UL 94		HB
Physical properties			
Specific Gravity	ASTM D 792		1.85
Water Absorption	ASTM D 570	%	0.15

ri-inquiry@roechling.com • www.roechling.com/industrial/materials



	Test method	Unit	Guideline value
Dielectrical properties			
Arc Resistance	ASTM D 495	sec.	150
Permittivity, 60 Hz	ASTM D 150		5
Insulation Resistance	ASTM D 257	$\Omega \times 10^{12}$	64
Electrical Strength - Axial in Oil		kV	70

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. THERE IS NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall we be liable for incidental or consequential loss or damage. Glastic® is a registered trademark of Röchling Glastic Composites. UL® is a registered trademark of Underwriters Laboratories, Inc. See correlating profile page for sizing and related information.

