

Technical Data Sheet

Glastic® Glasrod SG-200

Typical characteristics

- Extremely strong, excellent retention of properties at elevated temperature, easily fabricated
- Dimensionally Stable

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	2
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		2
Flame resistance properties			
UL Subject 94	UL 94		HB
UL High Amp Ignition	UL 746A		200+
Oxygen Index	ASTM D 2863	%O ₂	21.8
Physical properties			



	Test method	Unit	Guideline value
Specific Gravity	ASTM D 792		1.85
Water Absorption	ASTM D 570	%	0.15
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

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Röchling Industrial Cleveland, LP

4321 Glenridge Road • 44121 Cleveland/United States (US) • Tel. +1 216 486-0100
info@glastic.com • www.roechling.com/cleveland

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