

Technical Data Sheet

Glastic® Glasrod MTS

Typical characteristics

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

Typical industries

- Generator and Motor
- Dry transformers
- 전기 산업
- Electrical Insulating Components
- Switchgear
- Transformer

	Test method	Unit	Guideline value
General properties			
Standard Color			Red
Mechanical properties			
Flexural Strength	ASTM D 790	psi	80,000
Tensile Strength	ASTM D 638	psi	50,000
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	2,000
Compressive Strength - Axial	ASTM D 695	psi	40,000
Compressive Strength - Transverse	ASTM D 695	psi	14,000
Thermal properties			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10-5	0.9
Thermal Conductivity	ASTM C 177		2
Physical properties			
Specific Gravity	ASTM D 792		2
Water Absorption	ASTM D 570	%	0.25
Dielectrical properties			
Arc Resistance	ASTM D 495	sec.	130
Permittivity, 60 Hz	ASTM D 150		5
Insulation Resistance	ASTM D 257	Ω x 10 ¹²	83

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	Test method	Unit	Guideline value
Electrical Strength - Axial in Oil		kV	70

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