

Technical Data Sheet

Glastic® UTR Composite Tubing

GFK-UP

Typical characteristics

- 1,000 Minutes Track Resistance, Electrically Insulating, Highly Flame Resistant, Low Smoke & Smoke Toxicity, UL® Recognized, and Halogen-Free
- Good dimensional stability

Typical industries

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

	Test method	Unit	Guideline value
General properties			
NEMA Grade LI 1-1989	NEMA LI-1		GPO-3
UL Temperature Index - Electrical	UL 746B	°C	130
UL Temperature Index - Mechanical	UL 746B	°C	160
Mechanical properties			
Tensile Strength	ASTM D 638	psi	30,700
Tensile Modulus	ASTM D 638	psi X 10 ⁶	2.28
Plastic Pipe Load Deflection	ASTM D 2412	lbs.	126
Plastic Pipe Flexural Strength	ASTM D 790	lbs.	134
Burst Strength	ASTM D 1180	psi	1300
Physical properties			
Water Absorption	ASTM D 570	% by wt.	0.5
Dielectrical properties			
Arc Resistance	ASTM D 495	sec.	150
Inclined Plane Track Resistance	ASTM D 2303	min.	300

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