

## Technical Data Sheet

# Glastic® UTS 141

GFK-UP

### Typical characteristics

- NEMA GPO-2
- High Strength
- Flame retardant

### Typical industries

- Switchgear
- Electrical Industry
- Electrical Insulating Components
- Electronics

	Test method	Unit	Guideline value
<b>General properties</b>			
Part Number			141
NEMA Grade LI 1-1989	NEMA LI-1		GPO-2
Standard Color			Red
UL Temperature Index - Electrical	UL 746B	°C	130
UL Temperature Index - Mechanical	UL 746B	°C	130
UL Recognition File Number			E23525
<b>Mechanical properties</b>			
Flexural Strength	ASTM D 790	psi	18,000
Flexural Strength @130°C	ASTM D 790	psi	6,000
Compressive Strength	ASTM D 695	psi	30,000
Tensile Strength	ASTM D 638	psi	8,000
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	8.0
Shear Strength	ASTM D 732	psi	14,000
<b>Thermal properties</b>			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10-5	2
<b>Flame resistance properties</b>			
UL Subject 94	UL 94		V0
Ignition Time		sec.	75
Burn Time		sec.	85
<b>Physical properties</b>			

[ri-inquiry@roechling.com](mailto:ri-inquiry@roechling.com) • [www.roechling.com/industrial/materials](http://www.roechling.com/industrial/materials)



	Test method	Unit	Guideline value
Water Absorption	ASTM D 570	% by wt.	0.8
Specific Gravity	ASTM D 792		1.8
<b>Dielectrical properties</b>			
Electrical Strength - Perpendicular S/T in Air	ASTM D 149	Vpm	300
Electrical Strength - Parallel S/S in Oil	ASTM D 149	kV	40
Arc Resistance	ASTM D 495	sec.	130
IEC Track Resistance (CTI)	UL 746A	V	600+
Permittivity, 60 Hz	ASTM D 150		4.5
Dissipation Factor, 60 Hz	ASTM D 150		0.05

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