

Glastic® UTS 141

Thermoset Polyester

Glastic Corporation

Message:

Glastic UTS 141 is a fiberglass-reinforced laminate. This resin is ideal for applications requiring flame and heat resistance, as well as applications requiring higher retention of properties after heat aging.

Glastic UTS 141 is ideal for a wide variety of applications, including intricate punchings for switches, switch plates, controls, control panels, and terminal boards.

General Information			
Filler / Reinforcement	Glass fabric reinforcement		
Features	High strength		
	Heat resistance, high		
	Flame retardancy		
Uses	Laminate		
	Electronic insulation		
UL File Number	E23525		
Appearance	Red		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.80	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.80	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (yield, 1.60mm)	55.2	MPa	ASTM D638
Flexural Strength (1.60 mm)	124	MPa	ASTM D790
Compressive Strength (1.60 mm)	207	MPa	ASTM D695
Shear Strength	96.5	MPa	ASTM D732
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (1.60 mm)	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow (1.60 mm)	2.0E-5	cm/cm/°C	ASTM D696
RTI Elec (1.60 mm)	130	°C	UL 746
RTI (1.60 mm)	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength ¹ (1.60 mm, in Air)	12	kV/mm	ASTM D149
Arc Resistance (1.60 mm)	130	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Additional Information			

NOTE

1. Method A (short time)

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