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Fiberglass Strut Properties

The Following is a list of Properties of the basic resin systems used to Pultrude our various sizes of Fiberglass Strut.

FR (Fire Retardant Resin) – 155°C General Purpose Strut

PROPERTIES OF PULTRUDED ROUND TUBE:

PROPERTIES	UNIT	STR
Flexural Stress	psi	40,000
Flexural Modules	psi x 10 ⁶	1.8
Tensile Stress	psi	40,000
Tensile Modules	psi x 10 ⁶	2.5
Compressive Stress	psi	30,000
Notched IZOD Impact	Ft.-lbs./in.	28
Thermal Conductivity	BTU/sf/hr/°F/in	2
24-HR Water Absorption	% max., by wt	.75
Specific Gravity / Density	10 ⁻³ g/mm ³	1.8
Dielectric Strength	volts/mil	200

Results obtained with this data cannot be guaranteed and final determination of the suitability of any material for use contemplated or the manner of use is the sole responsibility of the user.