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## Fiberglass Square Solid Bar Properties

The Following is a list of Properties of the basic resin systems used to Pultrude our various diameters of Square Solid Bar Stock.

STR (Standard Resin) – 155°C      General Purpose Rod

### PROPERTIES OF PULTRUDED ROD:

PROPERTIES	UNIT	STR
Flexural Stress	psi	100,000
Flexural Modules	psi x 10 <sup>6</sup>	4
Tensile Stress	psi	90,000
Tensile Modules	psi x 10 <sup>6</sup>	4
Compressive Stress	psi	40,000
Notched IZOD Impact	Ft.-lbs./in.	40
Thermal Conductivity	BTU/sf/hr/°F/in	2
24-HR Water Absorption	% max., by wt	.26
Specific Gravity / Density	10 <sup>-3</sup> g/mm <sup>3</sup>	1.9
Arc Resistance	seconds	120
Dielectric Strength	volts/mil	420

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.