

## Material Properties of Mat and Roving Reinforced Polyester Resin

Tensile Strength (psi)	30,000	Tensile Modulus (psi)	$2.9 \times 10^6$
Trans. Tensile Strength (psi)	3,400-8,000	Trans. Tensile Modulus (psi)	$1.2 \times 10^6$
Compressive Strength (psi)	30,000	Compressive Modulus (psi)	$2.9 \times 10^6$
Flexural Strength (psi)	30,000	Flexural Modulus (psi)	$1.2 \times 10^6$
Density (lb/in <sup>3</sup> )	0.065	Specific Gravity	1.8
Percent Glass	40 - 60%	24 hr. Water Absorption (% Max)	0.15
Coef. of Thermal Exp. (in/in/°F)	$5 \times 10^{-6}$ (For a temperature range of -30 to 70°F)		

**Note: Fiberglass pultruded products can be engineered to meet specific design requirements if additional strength or stiffness is required. The above Mechanical Properties are minimum design values.**