

Composite Mechanical Properties

Test	ASTM	Test description / type	Resin-X	Epoxy	CA	units
Tensile Strength	D638M	Force to break (pull) apart	30	24	9	[MPa]
Tensile Elongation	D638M	Deformation before failure	0.30%	0.45%	0.25%	
Flexural Strength	D790M	Force required to fail due to bending	50	43	27	[MPa]
Flexural Modulus	D790M	Measure of stiffness in bending	-	10411	6450	[MPa]
Shore Hardness	D2240	Surface hardness test	95 D	87 D	81 D	
Heat Deflection Temperature (HDT) @ 66 psi (.46 Mpa)	D648-98c	Resistance to deformation when exposed to heat & pressure	280	115	112	[°C]
Compressive Strength	-	Force required to crush specimen	157	98	-	[MPa]

Warranty/Disclaimer: Actual part properties may vary significantly from those listed above based on part geometry, processing parameters, operating conditions and material usage
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