

Typical Fiberglass Boom Properties

Please note: These are typical values only. They are presented in good faith, based on available test data. They do not represent a guarantee or a contract of any kind.

Material Properties

Property	ASTM Test Number	Values
Glass Content, by Weight	D 2584-87	70%
Barcol Hardness	D2583-87	60
AC Dielectric Strength	D150-87	30 kV/in
Density	D792-86	0.070 lb/in ³

Mechanical Properties Longitudinal Direction

Property	ASTM Test Number	Values
Tensile Strength	D 3039-76	52 ksi
Tensile Modulus	D 3039-76	3.9 Msi
Compressive Strength	D 3410-87	50 ksi
Compressive Modulus	D 3410-87	3.1 Msi
Flexural Strength	D 790-90	73 ksi
Flexural Modulus	D790-90	3.6 Msi

Dimensional Tolerances

Dimension	Range	Value
Length	within +/-	0.125 in of Nominal
Width	within +/-	2% of Nominal
Height	within +/-	2% of Nominal
Inside Dimension	within +/-	1% of Nominal (EXCEPT CORNERS)
Ends Square	within +/-	0.015 in Over Full Width & Height
Corner Radii	within +/-	0.125 in of Nominal