

Typical Fiberglass Boom Properties (Metric)

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	1.18 kV/mm
Density	D792-86	1.939 g/cc

Mechanical Properties Longitudinal Direction

Property	ASTM Test Number	Values
Tensile Strength	D 3039-76	358.5 MPa
Tensile Modulus	D 3039-76	26.9 GPa
Compressive Strength	D 3410-87	344.75 MPa
Compressive Modulus	D 3410-87	21.4 GPa
Flexural Strength	D 790-90	503.3 MPa
Flexural Modulus	D790-90	24.8 GPa

Dimensional Tolerances

Dimension	Range	Value
Length	within +/-	3.22 mm of Nominal
Width	within +/-	2% of Nominal
Height	within +/-	2% of Nominal
Inside Dimension	within +/-	1% of Nominal (EXCEPT CORNERS)
Ends Square	within +/-	0.4 mm Over Full Width & Height
Corner Radii	within +/-	3.2 mm of Nominal