



FRP TUBE DATASHEET

FRP Tubes are manufactured from Fiberglass Reinforced Plastic (FRP) using epoxy or polyester resin systems. They provide excellent electrical insulation, high mechanical strength, and good resistance to heat and moisture.

Parameter	Specification
Product Type	FRP Tube
Material	Fiberglass Reinforced Plastic (FRP)
Resin System	Epoxy / Polyester
Color	Green
Electrical Insulation	Excellent
Mechanical Strength	High
Heat Resistance	Good
Machining	Custom Machined as per Drawing

Typical Technical Properties

Property	Typical Value
Density	1.8 – 2.0 g/cm ³
Flexural Strength	300 – 450 MPa
Compressive Strength	250 – 400 MPa
Tensile Strength	200 – 350 MPa
Dielectric Strength	10 – 20 kV/mm
Volume Resistivity	> 10 ¹² Ω·cm
Water Absorption (24 hrs)	< 0.2%
Continuous Operating Temperature	120°C – 155°C

Available Sizes:

Available in various inner diameters (ID), outer diameters (OD), and lengths as per customer requirements.

Please contact us for custom sizes and machined FRP insulation components.