

FRP WASHER TECHNICAL DATASHEET

FRP Washers are precision-machined insulating components manufactured from Fiberglass Reinforced Plastic (FRP). They provide excellent electrical insulation, high mechanical strength, and good resistance to heat and moisture.

Parameter	Specification
Product Type	FRP Washer
Material	Fiberglass Reinforced Plastic (FRP)
Resin System	Epoxy
Color	Green
Electrical Insulation	Excellent
Mechanical Strength	High
Heat Resistance	Good
Available Sizes	Custom ID, OD & Thickness
Machining	Manufactured as per Drawing

Typical Technical Properties

Property	Typical Value
Density	1.8 – 2.0 g/cm³
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