FRP FLAT / FRP BAR / FRP COIL SUPPORT DATASHEET

FRP Flat/FRP Bar/ FRP Coil Supports are precision machined insulation components manufactured from Fiberglass Reinforced Plastic (FRP). These components provide excellent electrical insulation, high mechanical strength and reliable support for induction coils, busbars and electrical assemblies.

Parameter	Specification
Product Names	FRP Flat / FRP Bar / FRP Coil Support
Material	Fiberglass Reinforced Plastic (FRP)
Resin System	Epoxy / Polyester
Color	Green / Yellow / Natural
Machining	Custom Machined as per Drawing
Application	Electrical Insulation & Mechanical Support

Typical Technical Properties

Property	Typical Value
Density	1.8 – 2.0 g/cm³
Flexural Strength	300 – 450 MPa
Compressive Strength	250 – 400 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

Applications:
• Induction Furnace Coil Support
• Busbar Insulation Support
• Transformer Supports
• Electrical Control Panels
• Industrial Heating Equipment

Available Sizes:
Available in various thicknesses, widths and lengths as per customer drawings and specifications.

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