



KHANDELWAL INDUSTRIES

AN ISO 9001:2015 CERTIFIED COMPANY

II EPOXY GLASS FIBER WASHER II

Material Composition :

Epoxy Resin reinforced with woven Glass Fiber (G10 / FR4)

Product Description

Epoxy glass fiber washers are high-strength insulating washers offering excellent mechanical, electrical, and thermal properties for industrial applications.

Physical Properties

Property	Typical Value
Color	Green / Yellowish / Off-White
Density	1.75 – 1.90 g/cm ³
Water Absorption (24 hrs)	≤ 0.10 %

Mechanical Properties

Property	Typical Value
Tensile Strength	≥ 300 MPa
Compressive Strength	≥ 350 MPa
Flexural Strength	≥ 400 MPa

Electrical Properties

Property	Typical Value
Dielectric Strength Volume	20 – 25 kV/mm
Resistivity Arc	≥ 10 ¹² Ω·cm
Resistance	≥ 180 sec

Thermal Properties

Property	Typical Value
Continuous Operating Temperature	Up to 130°C
Short-Term Temperature	Up to 180°C

Applications :

Electrical panels, transformers, motors, generators, electronic insulation, mechanical spacing.