Current Industrial Composites
Sheeting · Tubes · Rods · Fabricated Parts · Epoxy · Phenolic

TECHNICAL DATA SHEET

FR-5

Mil-I-24768/28, GEB-F

FR-5 convolute wrapped tubes are constructed of a self-extinguishing halogen free epoxy resin with a woven glass fabric reinforcement with excellent resistance to chemicals and retention of electrical properties in high humidity environments. FR-5 tubes are a low smoke and toxicity composite that meets Railway applications EN 45545-2; R22, R23 & R24: Classification HL3. It also meets or exceeds NEMA FR-5 and Mil-I-24768/28 specifications.

REQUIREMENT	
Minimum Dielectric Strength	11.0 kV/mm
Minimum Compressive Strength (Axial)	250 MPa
Minimum Density	1.9 g/cm3
Maximum Water Absorption	.15%
Tensile Strength	280 MPa
Flexural Strength	400 Mpa
Dissipation Factor	.01
Permittivity @ 1 MHz	4.5
Maximum Operating Temperature	180°C