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

TECHNICAL DATA SHEET

FR-4

Mil-I-24768/27, GEE-F

FR-4 epoxy tubes are reinforced with a woven glass fabric. They are primarily used for mechanical, electrical, and electronic applications where extremely high mechanical strengths are required at room and moderate temperatures. Lamitex FR-4 meets or exceeds NEMA FR-4 and Mil-I-24768/27 specifications, has excellent resistance to chemicals and retains its' electrical properties in dry and high humidity environments.

REQUIREMENT

Minimum Dielectric Strength		255 Vpm
Compressive Strength (Axial)	230 MPa	
Minimum Density		1.8 g/cm3
Maximum Water Absorption		0.3 mg/cm^2
Tensile Strength		N/A
Flexural Strength		350MPa
Dissipation Factor		.01
Permittivity @ 1 MHz		4.5
Maximum Operating Temperature		150°C