



## MATERIAL DATA SHEET

- Item:** F2038 Epoxy fiberglass filament wound tube for high temperature application
- Description:** Tubes are wound from epoxy resin impregnated glass filament typically of 450 yards or 675 yards per lb, final weight of Glass to Epoxy is about 3 to 1
- Availability:** Fabricated Parts: The Gund Company fabricates insulation materials to the exact specifications and drawings of our customers. Customized tube properties are also available upon request.

Key Characteristics	Test Method	Units	Typical Values
Base Material			G-11
Color			Dark Orange
Flammability Rating	UL94		HB
Compressive Strength	D348	PSI	20,000
Shear Strength	D5448	PSI	7,000
Barcol Hardness	D2583		50
Tensile Strength(1/16" Thickness)	D348	PSI	20,000
Hoop Strength	D2290	PSI	20,000
Density	D348	gm/cc	1.8
Water Absorption	D348	2 hours	< 0.2%
		24 hours	< 0.2%
Glass Transition Temperature, Tg	D3418	C°	180
Dry Arc Resistance	D495	sec	>120
Dielectric Strength, Perpendicular 3/16" wall	D348 short time	volts/mil	250-300
Dielectric Strength, Perpendicular 1/16" wall	D348 short time	volts/mil	500
Parallel Dielectric Strength	D348 short time	volts/mil	250-300
Dielectric Constant	D150	60 Hz, 10KV	5