F2016 Epoxy Filament Wound General Purpose Tubing

Item:	F2016 Epoxy Filament Wound General Purpose Tubing
Description:	Tubes are wound from epoxy resin impregnated glass filiment 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 custom fabricates insulation materials to the exact specifications and drawings specified by our customers. Customized tube exact properties are also available on request.

Key Characteristics	Test Method	Units	Typical Values
Color	--	--	Green
Flammability Rating	UL 94	--	HB
Compressive Strength	ASTM D348	PSI	20,000
Shear Strength	ASTM D5448	PSI	7,000
Barcol Hardness	ASTM D2583	--	50
Tensile Srength (1/16"Thickness)	ASTM D348	PSI	20,000
Hoop Strength	ASTM D2290	PSI	20,000
Density	ASTM D348	gm /cc	2.0
Water Absorption	ASTM D348	2 hours	<0.2%
		24 hours	<0.2%
Glass Transition Temperature, Tg	ASTM D3418	C°	125
Dry Arc Resistance	ASTM D495	sec	>120
Dielectric Strength, Perpendicular 3/16" wall	ASTM D348 short time	volts/mil	250-300
Dielectric Strength, Perpendicular 1/16" wall	ASTM D348 short time	volts/mil	500
Parallel Dielectric Strength	ASTM D348 short time	volts/mil	250-300
Dielectric Constant	ASTM D150	60 Hz, 10KV	5

Note: Mechanical properties can be customized with winding orientation.