

**WS Hampshire Inc.**

Over 100 Years of Non-Metallic Material Fabrication

**Ryertex**

The leading brand of Phenolics for over 50 years

# Ryertex Grade G11-tube

## TECHNICAL DATA BULLETIN

**GRADE: G11****U. L. LISTED: Yes**

**DESCRIPTION:** Ryertex G11 is a woven, medium weight, glass fabric composite combined with an epoxy resin system that provides excellent strength at elevated temperatures. Ryertex G11 meets or exceeds the requirements of IEC Standard 61212-3; grade EP-GC-22. **THICKNESS TESTED:** ID – 0.75" / OD – 1.00"

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Specific Gravity	-	1.87
Moisture Absorption (0.062)	%	0.14
Rockwell Hardness (0.500)	M Scale	100
Tensile Strength (0.125)	psi	37,000
Bond Strength (0.500)	Lb	2,300
Compressive Strength (axial)	psi	34,000
THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE <sup>1</sup>
Electric Strength (0.062)	V/mil	390
Permittivity – Condition A		4.36
-- Condition D-24/23		4.45
-- Condition D-48/50		4.66
Dissipation Factor -- Condition A		0.028
-- Condition D-24/23		0.038
-- Condition D-48/50		0.045
Flammability Rating - U. L. 94	Class	HB

All testing per ASTM D-348 unless otherwise noted.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. Data supplied above are "typical values"; not to be considered "specification values".

It is the responsibility of the users of this information to make sure that they have the latest version of this TDB, and are urged to check with Customer Service to determine if information is most current.

<sup>1</sup> This temperature is a recommendation only. The maximum operating temperature is dependent upon the application and should be tested accordingly.