

**WS Hampshire Inc.**

Over 100 Years of Non-Metallic Material Fabrication

**Ryertex**

The leading brand of Phenolics for over 50 years

# Ryertex Grade P/G

## TECHNICAL DATA BULLETIN

**GRADE: G3****U. L. LISTED: No**

**DESCRIPTION:** Ryertex P/G has a woven glass fabric substrate impregnated with a blended, high temperature, phenolic resin. P/G comes in tube form. This material has very good flexural, compressive and impact strengths. It has excellent heat and creep resistance along with very good physical properties and high impact strength. This material is an excellent choice for heavy duty, industrial parts requiring good structural integrity.

Samples tested: 0.75"ID x 1.00"OD

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES		UNITS	VALUE
Specific Gravity		-	1.77
Moisture Absorption	Condition D1 – 24/23	%	0.31
Rockwell Hardness		M Scale	110
Tensile Strength	Condition A	psi	32,100
Compressive Strength	Condition A	psi	30,000
THERMAL PROPERTIES		UNITS	VALUE
Temperature Rating			175C / 347F
Flammability Rating (UL 94)	Condition A		HB
ELECTRICAL PROPERTIES			
Electric Strength	Condition A	Volts/mil	300
	Condition D-48/50	Volts/mil	250

All testing performed to ASTM D-348 unless otherwise stated. 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".

While G-3 tube grades are recognized by NEMA, ASTM & MilSpecs, property requirements are undefined.

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.

The temperature is a recommendation only. The maximum operating temperature is dependent upon the application and should be tested accordingly.

WS Hampshire  
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