

WS Hampshire Inc.

Over 100 Years of Non-Metallic Material Fabrication

Ryertex

The leading brand of Phenolics for over 50 years

Ryertex Grade LE-tube

TECHNICAL DATA BULLETIN

NEMA GRADE: LE

U. L. LISTED: N

DESCRIPTION: Ryertex LE is a fine weave linen (<4oz/sq-yd) combined with a phenolic resin that provides a material with better machining properties than a Grade C or even a Grade L material. Ryertex LE allows for tighter tolerances and a smoother machined surface. It has a low moisture absorption value, and is suitable for electrical applications in moderate humidity. Typical uses include bearings, bushings, retainers and machining applications with tight tolerances.

TUBE TESTED: 0.75" ID X 1.00" OD

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Specific Gravity	-	1.29
Moisture Absorption Condition D ₁ – 24/23	%	1.12
Rockwell Hardness	M Scale	85
Tensile Strength Condition A	psi	9,800
Compressive Strength Condition A	psi	27,800
THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE ¹
Maximum Operating Temperature	C	125 ¹
Electric Strength Condition A	V/mil	185
Flammability Rating - U. L. 94 Condition A	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.

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