



# Ryertex Grade LE

## TECHNICAL DATA BULLETIN

**NEMA GRADE: LE**

**U. L. LISTED: No**

**DESCRIPTION:** Ryertex LE is a fine weave linen 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 improved moisture resistance, and is suitable in electrical applications.

**THICKNESS TESTED: 0.500"**

### TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Moisture Absorption	%	0.70
Flexural Strength	psi	LW - 15,000 CW - 13,500
Bond Strength	LB	1,600
Izod Impact Strength	Ft-lb/in	LW – 1.25 CW – 1.00
Tensile Strength	Psi	13,000
Compressive Strength	Psi	37,000
Operating Temperature	F	250
THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE <sup>1</sup>
Maximum Permittivity – Condition A	@ 1MHz	5.8
Maximum Dissipation Factor – Condition A	@ 1MHz	0.055
Breakdown Voltage – Condition A	kV	40.0

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.