



Ryertex Grade CE

TECHNICAL DATA BULLETIN

NEMA GRADE: CE

U. L. LISTED: No

DESCRIPTION: Ryertex CE is produced using a 10 oz/syd cotton fabric impregnated with a thermosetting phenolic resin. CE machines easily and has lower moisture absorption with enhanced electrical properties making it suitable for a variety of electrical application. Ryertex CE meets or exceeds the requirements for MIL-I-24768/14

THICKNESS TESTED: 0.062"; 0.125", 0.500"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Specific Gravity	-	1.37
Moisture Absorption (0.062)	%	2.0
Rockwell Hardness (0.062)	M Scale	100
Flexural Strength (0.062)	Psi	LW – 17,500 CW – 15,000
Flexural Modulus (0.062)	Kpsi	LW – 1,600 CW – 1,500
Tensile Strength (0.125)	psi	LW – 11,000 CW – 9,000
Bond Strength (0.500)	Lb	LW – 1,700 CW – 1,700
Shear Strength (perpendicular – 0.062)	Psi	14,000
Izod Impact Strength E-48/50 (0.500)	Ft-lb/in	LW – 1.70 CW – 1.50
Compressive Strength (flatwise – 0.500)	psi	34,000

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE¹
Maximum Operating Temperature	C	125 ¹
Coefficient of Thermal Expansion	" / °C x 10 ⁻⁶	X-Axis – 20.0 Y-Axis – 22.0
Breakdown Voltage (0.062)	kV	A – 40 D (48/50) - 3
Electric Strength (0.062)	V/mil	A – 550 D (48/50) - 300
Arc Resistance (0.125) D-495	Sec	15
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.

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