



Ryertex Grade X

TECHNICAL DATA BULLETIN

NEMA GRADE: X

U. L. LISTED: No

DESCRIPTION: Ryertex Grade X is a low cost, general purpose, industrial phenolic based paper thermoset laminate with low electrical properties, high strength and good mechanical properties.

THICKNESS TESTED: 0.500”

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE
Tensile Strength - Condition A	Psi	LW – 24,900 CW – 16,700
Flexural Strength – Condition A	Psi	LW – 29,300 CW – 23,200
Compressive Strength – Condition A	Psi	LW – 17,100 CW – 15,500
Izod Impact Strength – (notched) – E48/50	Lb/in	LW – 0.57 CW – 0.48
ELECTRICAL PROPERTIES		
Dielectric Strength – ASTM D149	Vpm	365
Dielectric Breakdown – ASTM D149	Condition A D48/50	29.1 kV 4.0 kV
Arc Resistance – ASTM D495	Condition A D48/50	32 sec 9 sec
Permittivity @ 1MHz – D150	Condition A D24/23	6.13 6.83
Dissipation Factor @ 1MHz – D150	Condition A D24/23	0.0549 0.0486

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.