

Ryertex Grade CG

TECHNICAL DATA BULLETIN

NEMA GRADE: CG

U. L. LISTED: N

DESCRIPTION: Ryertex CG is a medium weave cotton fabric combined with a phenolic resin system containing graphitic carbon as a solid lubricant. Graphite is conductive and should not be used if detrimental to the properties of the final product. This product is used in the bearing industry where a low coefficient of friction is the primary concern.

Thickness tested: 0.062", 0.125", 0.500"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE ¹
Specific Gravity	-	1.25
Moisture Absorption (0.062)	%	2.20
Rockwell Hardness (0.062)	M Scale	90
Flexural Strength (0.062)	LW CW	19,000 psi 15,000 psi
Flexural Modulus (0.062)	LW CW	1,200 kpsi 1,000 kpsi
Tensile Strength (0.125)	LW CW	10,000 psi 7,000 psi
Compressive Strength (0.500)	flatwise	38,000 psi
Izod Impact E-48/50 (0.500)	LW CW	1.7 ft-lb/in 1.40 ft-lb/in
Bond Strength (0.500)		1,800 lb
Sheer Strength (0.500)	perpendicular	13,000 psi

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE¹
Coefficient of Thermal Expansion (0.062)	x-axis	18.0
Unit of measure – “ μ ”/°C $\times 10^{-6}$	y-axis	24.0
Maximum Operating Temperature		145C
Flammability Rating - U. L. 94	Class	HB

All testing per ASTM D-348 unless otherwise noted.

NEMA LI-6: This temperature is a recommendation only and is based upon experience in various applications. The maximum operating temperature is dependent upon the application and should be investigated prior to use.

This data, while believed to be accurate and based on reliable analytical methods, is for informational purposes only. The terms and conditions of the agreement under which it is sold will govern any sales of this product. Data supplied above are "typical values"; not to be considered "specification values".

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