

RT315 TECHNICAL DATA BULLETIN

GRADE: RT315 NEMA LI 1-1998 GRADE: -- U.L. LISTED: N

DESCRIPTION: Grade RT315 is a medium weave cotton fabric combined with a phenolic resin system containing graphitic carbon as a lubricant, and used where conductivity of the material is not 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.

TYPICAL PROPERTIES

			VALUE
		UNITS	Specimen Tested (ID x OD)
			0.75" x 1.00"
PHYSICAL PROPERTIES			
Specific Gravity			
(ASTM D792)		ı	1.28
Rockwell Hardness			
(ASTM D785)		M Scale	90
Moisture Absorption	Condition D ₁ -24/23		
(ASTM D570)		%	2.10
Tensile Strength	Condition A		
(ASTM D638)		psi	7,900
Compressive Strength	Condition A		
(ASTM D695)		psi	24,000
Compressive Modulus	Condition A		
(ASTM D695)		kpsi	415
THERMAL PROPERTIES			
Temperature Index ¹			
	Electrical / Mechanical	°C	- / 140
Flammability Rating	Condition A		
(UL Bulletin 94)		Class	HB

¹ NEMA LI-6: This temperature is a recommendation only, and 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".

To assure the material's performance is adequate for a specific application; customers should verify, independent of Norplex-Micarta, performance characteristics of interest.

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 contact Customer Service, or preferably our web site, www.norplex-micarta.com, to determine if information is the most current.

Specification writers: Contact Norplex-Micarta for specification values before submission.