



Global Thermoset Composite Solutions

# RTB326

## TECHNICAL DATA BULLETIN

GRADE: RTB326

NEMA GRADE: --

U.L. LISTED: N

DESCRIPTION: Grade RTB326 is a tube made from a fine cotton fabric and an epoxy resin system. It has low moisture absorption and excellent dimensional stability and chemical resistance. Typical uses include bearing retainers and parts that require excellent machining characteristics. RTB326 meets ASTM F3131 Type FB.

### TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
<b>PHYSICAL PROPERTIES</b>				
<b>Specific Gravity</b> (ASTM D792)	-		1.33	
<b>Rockwell Hardness</b> (ASTM D785)	M Scale		110	
<b>Moisture Absorption</b> Condition D <sub>1</sub> -24/23 (ASTM D570)	%		0.90	
<b>Tensile Strength</b> Condition A (ASTM D638)	psi		12,500	
<b>Compressive Strength</b> Condition A (ASTM D695)	psi		30,000	
<b>Compressive Modulus</b> Condition A (ASTM D695)	kpsi		470	

## RTB326 - TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
<b>THERMAL PROPERTIES</b>				
<b>Temperature Index</b> <sup>1</sup>	Electrical / Mechanical	°C	140 / 140	
<b>Flammability Rating</b> (UL Bulletin 94)	Condition A	Class	HB	
<b>ELECTRICAL PROPERTIES</b>				
<b>Breakdown Voltage</b> (ASTM D149)	Condition A	kVolts	75	
	Condition D-48/50	kVolts	30	
<b>Electric Strength</b> (ASTM D149)	Condition A	Volts/mil	350	
	Condition D-48/50	Volts/mil	300	

<sup>1</sup> 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](http://www.norplex-micarta.com), to determine if information is the most current.

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