

# RT310S

## TECHNICAL DATA BULLETIN

**GRADE: RT310S**

**NEMA LI 1-1998 GRADE: C**

**U.L. LISTED: N**

DESCRIPTION: Being a hot oil treated version of RT310, RT310S is a tube made from a medium weight canvas fabric combined with a phenolic resin that has good physical properties and machining characteristics. Typical applications include textile bobbins, lap spools and structural parts that require good impact strength. RT310S also complies with ANSI/NEMA IM 60000-2021 Grade C, MIL-I-24768/16, Type FBM, ASTM D709 Type II Grade C and with IEC 61212-3-1 PF CC 22.

### TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
<b>PHYSICAL PROPERTIES</b>				
<b>Specific Gravity</b> (ASTM D792)	-		1.30	
<b>Rockwell Hardness</b> (ASTM D785)	M Scale		95	
<b>Moisture Absorption</b> Condition D <sub>1</sub> -24/23 (ASTM D570)	%		1.40	
<b>Tensile Strength</b> Condition A (ASTM D638)	psi		7,300	
<b>Compressive Strength</b> Condition A (ASTM D695)	psi		28,500	
<b>Compressive Modulus</b> Condition A (ASTM D695)	kpsi		440	
<b>THERMAL PROPERTIES</b>				
<b>Temperature Index</b> <sup>1</sup> Electrical / Mechanical	°C		140 / 140	
<b>Flammability Rating</b> Condition A (UL Bulletin 94)	Class		HB	
<b>ELECTRICAL PROPERTIES</b>				
<b>Electric Strength</b> Condition A (ASTM D149)	Volts/mil		150	

<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.