

RT629

TECHNICAL DATA BULLETIN

GRADE: RT629

NEMA LI 1-1998 GRADE: XX

U.L. LISTED: N

DESCRIPTION: RT629 is a paper phenolic tube intended primarily for mechanical applications, but is suitable for electrical applications as well. The electrical properties are not quite as good as those of RT630. RT629 complies with ANSI/NEMA IM 60000-2021 Grade XX, MIL-I-24768/11, Type PBG and ASTM D709 Type I Grade XX and IEC 612112-3-1-PFCP 23.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-		1.28	
Rockwell Hardness (ASTM D785)	M Scale		90	
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)	%		1.00	
Tensile Strength Condition A (ASTM D638)	psi		13,250	
Compressive Strength Condition A (ASTM D695)	psi		22,500	
Compressive Modulus Condition A (ASTM D695)	kpsi		550	

RT629 - TYPICAL PROPERTIES (continued)

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
THERMAL PROPERTIES				
Temperature Index ¹ Electrical / Mechanical	°C		140 / 130	
Flammability Rating Condition A (UL Bulletin 94)	Class		HB	
ELECTRICAL PROPERTIES				
Electric Strength (ASTM D149)	Condition A	Volts/mil	400	
	Condition D-48/50	Volts/mil	270	

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.