

RT630

TECHNICAL DATA BULLETIN

GRADE: RT630

NEMA LI 1-1998 GRADE: XXX

U.L. LISTED: N

DESCRIPTION: RT630 is a fine machining grade with excellent electrical properties and moisture resistance. It has good dimensional stability and resists splitting. Typical applications include fuse tubes, coil forms and supports. RT630 also complies with ANSI/NEMA IM 60000-2021 Grade XXX, MIL-I-24768/10 Type PBE, ASTM D709 Type I Grade XXX and ASTM F2953.

TYPICAL PROPERTIES

	UNITS	VALUE		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity (ASTM D792)	-		1.31	
Rockwell Hardness (ASTM D785)	M Scale		100	
Moisture Absorption Condition D ₁ -24/23 (ASTM D570)	%		0.80	
Tensile Strength Condition A (ASTM D638)	psi		13,500	
Compressive Strength Condition A (ASTM D695)	psi		23,500	
Compressive Modulus Condition A (ASTM D695)	kpsi		415	

RT630 - 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				
Dissipation Factor @ 1 MHz Condition A	-		0.013	
Relative Permittivity @ 1 MHz Condition A	-		4.28	
Breakdown Voltage Condition A (ASTM D149)	kVolts		60	
	Condition D-48/50	kVolts	23	
Electric Strength Condition A (ASTM D149)	Volts/mil		450	
	Condition D-48/50	Volts/mil	265	

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.