NORPLEX MICARTA
Global Thermoset Composite Solutions

RT571

TECHNICAL DATA BULLETIN

GRADE: RT571 **NEMA LI 1-1998 GRADE: G-10** **U.L. LISTED: N**

DESCRIPTION: RT571 is similar to RT511 using a heavy weave glass fabric substrate meeting all of the requirements of NEMA G-10. Like RT511, RT571 has excellent strength at elevated temperatures but has been formulated to facilitate the production of thick walled tubes (up to 4 times thicker than RT511). RT571 also complies with ANSI/NEMA IM 60000-2021 Grade G-10 and MIL-I-24768/2, Type GEE.

TYPICAL PROPERTIES

		UNITS	VALUE		
			Specimen Tested (ID x OD)		
				0.75″ x 1.00″	
PHYSICAL PROPERTIES					
Specific Gravity *(ASTM D792)*		-		1.85	
Rockwell Hardness *(ASTM D785)*		M Scale		115	
Moisture Absorption *(ASTM D570)*	Condition D_1-24/23	%		0.07	
Tensile Strength *(ASTM D638)*	Condition A	psi		45,300	
Compressive Strength *(ASTM D695)*	Condition A	psi		53,000	
Compressive Modulus *(ASTM D695)*	Condition A	kpsi		1,100	

RT571 - TYPICAL PROPERTIES (continued)

		UNITS	VALUE		
			Specimen Tested (ID x OD)		
				0.75″ x 1.00″	
THERMAL PROPERTIES					
Temperature Index [1]	Electrical / Mechanical	°C		170 / 180	
Tg by DMA	Condition A	°C		≥ 170	
Flammability Rating *(UL Bulletin 94)*	Condition A	Class		HB	
ELECTRICAL PROPERTIES					
Breakdown Voltage *(ASTM D149)*	Condition A	kVolts		65	
Electric Strength *(ASTM D149)*	Condition A	Volts/mil		400	
	Condition D-48/50	Volts/mil		425	

[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.