

RT500X

TECHNICAL DATA BULLETIN

GRADE: RT500X

NEMA GRADE: G-10

U.L. LISTED: N

DESCRIPTION: The RT500X has excellent electrical properties under humid conditions and very good heat resistance and mechanical properties. RT500X is used when NEMA recognition is needed and fine machining is required. This version is made with an extra-fine weave fabric. RT500X also complies with MIL-I-24768/2, Type GEE and ASTM D709 Type IV Grade G-10.

TYPICAL PROPERTIES

		UNITS	VALUE ¹		
			Specimen Tested (ID x OD)		
				0.75" x 1.00"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.87	
Rockwell Hardness		M Scale		100	
Moisture Absorption	Condition D ₁ -24/23	%		0.11	
Compressive Strength	Condition A	psi		34,700	
THERMAL PROPERTIES					
Temperature Index ²					
Electrical / Mechanical		°C		200 / 200	
Flammability Rtg. (UL 94)	Condition A	Class		HB	
ELECTRICAL PROPERTIES					
Breakdown Voltage	Condition A	kVolts		46	
	Condition D-48/50	kVolts		40	
Electric Strength	Condition A	Volts/mil		460	
	Condition D-48/50	Volts/mil		370	

¹ All testing performed to ASTM D-348 unless otherwise indicated.

² 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".

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.