

RT505

TECHNICAL DATA BULLETIN

GRADE: RT505

NEMA GRADE: G-5

U.L. LISTED: N

DESCRIPTION: RT505 has good electrical properties under humid conditions and has excellent arc resistance. Typical applications include fuse tubes and naval switchboard insulation. RT505 also complies with MIL-I-24768/8, Type GMG and ASTM D709 Type IV Grade G-5.

TYPICAL PROPERTIES

	UNITS	VALUE ¹		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity	-		1.88	
Rockwell Hardness	M Scale		90	
Moisture Absorption Condition D ₁ -24/23	%		1.21	
Compressive Strength Condition A	psi		23,200	
THERMAL PROPERTIES				
Temperature Index ²				
Electrical / Mechanical	°C		140 / 140	
Flammability Rtg. (UL 94) Condition A	Class		V-0	
ELECTRICAL PROPERTIES				
Electric Strength Condition A	Volts/mil		290	
Condition D-48/50	Volts/mil		275	

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.