

RT610

TECHNICAL DATA BULLETIN

GRADE: RT610

NEMA GRADE: X

U.L. LISTED: N

DESCRIPTION: RT610 is a paper phenolic tube with fair electrical properties in dry conditions. It has good impact, tensile and compressive strength. Typical Applications are in switchboards, relays and other parts that require good machining characteristics. RT610 also complies with MIL-I-24768/12, Type PBM and ASTM D709 Type I Grade X.

TYPICAL PROPERTIES

	UNITS	VALUE ¹		
		Specimen Tested (ID x OD)		
			0.75" x 1.00"	
PHYSICAL PROPERTIES				
Specific Gravity	-		1.31	
Rockwell Hardness	M Scale		90	
Moisture Absorption Condition D ₁ -24/23	%		1.34	
Compressive Strength Condition A	psi		23,400	
THERMAL PROPERTIES				
Temperature Index ²				
Electrical / Mechanical	°C		140 / 140	
Flammability Rtg. (UL 94) Condition A	Class		HB	
ELECTRICAL PROPERTIES				
Electric Strength Condition A	Volts/mil		265	

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.

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Specification writers: Contact Norplex-Micarta for specification values before submission.