

# RT342

## TECHNICAL DATA BULLETIN

**GRADE: RT342**

**NEMA GRADE: C**

**U.L. LISTED: N**

DESCRIPTION: Fine weave canvas phenolic material with fabric construction weight intermediate to RT310 and RTB320. RT342 is designed for better machining than grade RT310 and lower cost than RTB320. It also complies with MIL-I-24768/16, Type FBM and ASTM D709 Type II Grade C.

### TYPICAL PROPERTIES

		UNITS	VALUE <sup>1</sup>		
			Specimen Tested (ID x OD)		
				0.75" x 1.00"	
PHYSICAL PROPERTIES					
Specific Gravity		-		1.31	
Rockwell Hardness		M Scale		80	
Moisture Absorption	Condition D <sub>1</sub> -24/23	%		2.33	
Tensile Strength	Condition A	psi		8,700	
Compressive Strength	Condition A	psi		24,000	
THERMAL PROPERTIES					
Temperature Index <sup>2</sup>					
Electrical / Mechanical		°C		130 / 130	
Flammability Rtg. (UL 94) Condition A		Class		HB	
ELECTRICAL PROPERTIES					
Electric Strength Condition A		Volts/mil		125	

<sup>1</sup> All testing performed to ASTM D-348 unless otherwise indicated.

<sup>2</sup> 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".

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