

RT342CG

TECHNICAL DATA BULLETIN

GRADE: RT342CG

NEMA GRADE: --

U. L. LISTED: N

DESCRIPTION: RT342CG has an ID wound with RT325 graphite linen and the remainder of the tube is fine weave canvas phenolic material with fabric construction weight intermediate to RT310 and RTB320 on the OD of the tube.

TUBE TESTED: ID = 0.750", OD = 1.000"

TYPICAL PROPERTIES

GENERAL PHYSICAL PROPERTIES	UNITS	VALUE ¹
Specific Gravity <i>(ASTM D792)</i>	-	1.30
Rockwell Hardness <i>(ASTM D785)</i>	M Scale	100
Moisture Absorption <i>(ASTM D570)</i> <i>Condition D₁-24/23</i>	%	1.80
Tensile Strength <i>(ASTM D695)</i>	psi	7,500
Compressive Strength <i>(ASTM D695)</i> (axial)	psi	26,000
Compressive Modulus <i>(ASTM D695)</i> (axial)	kpsi	320

THERMAL & ELECTRICAL PROPERTIES	UNITS	VALUE¹
Temperature Index ² Electrical / Mechanical	°C	130 / 130
Flammability Rating - U. L. 94	Class	HB
Electric Strength ³ <i>(ASTM D149)</i> Condition A	Volts/mil	190

¹ All testing per ASTM D-348 unless otherwise noted.

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.

³ Electrical properties only pertain to the RT342 portion of the tube. RT325 contains graphite.

The data presented, while believed to be accurate and representative of the material's characteristics, was compiled from a limited number totally independent tests using reliable analytical test methods. It is being provided for informational purposes only. We acknowledge that a larger data population may produce different results but have no means to predict what they may be. 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 check with Customer Service or, preferably our web site, www.norplex-micarta.com, to determine if information is most current.

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