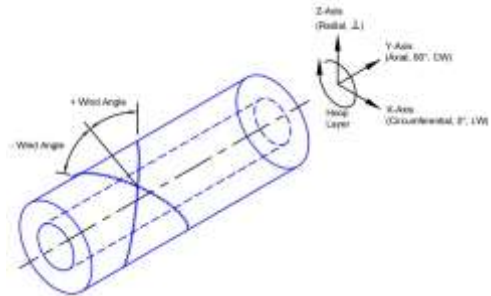


FW100W

TECHNICAL DATA BULLETIN

DESCRIPTION: FW100W is a filament wound tube with an epoxy resin system on a glass filament. FW100W is designed as an economical general-purpose mechanical grade with low moisture absorption. Helical wind angles of 15° - 75° are possible and circumferential (hoop) layers can be placed at various points in the tube's construction.



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

TYPICAL PROPERTIES

PHYSICAL PROPERTIES	TEST METHOD	CONDITIONING	UNITS	VALUE		
				Specimen Tested (ID x OD)		
					0.75" x 1.00"	
Specific Gravity	ASTM D792	Condition A	-		2.0	
Rockwell Hardness	ASTM D785	Condition A	M Scale		110	
Moisture Absorption	ASTM D570	D ₁ -24/23	%		0.02	
Tensile Strength	ASTM D638	Condition A	psi		10,500	
Compressive Strength	ASTM D695	Condition A	psi		28,500	
Compressive Modulus	ASTM D695	Condition A	kpsi		560	

FW100W – TYPICAL PROPERTIES (continued)

THERMAL PROPERTIES	TEST METHOD	CONDITIONING	UNITS	VALUE		
				Specimen Tested (ID x OD)		
					0.75" x 1.00"	
T _g by DMA	ASTM E1640	Condition A	°C		165	
Flammability Rating	UL Bulletin 94	Condition A	Class		HB	
ELECTRICAL PROPERTIES						
Breakdown Voltage	ASTM D149	Condition A	kVolts		85	
		D-48/50	kVolts		95	
Electric Strength	ASTM D149	Condition A	Volts/mil		320	
		D-48/50	Volts/mil		350	

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".

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 available.

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