



TECHNICAL DATA SHEET

MRM1101

Class B 130°C Insulation

A flexible composite insulation composed of 100% pure cotton rag paper and electrical grade polyester film laminated with a carefully selected adhesive system.

PRODUCT ATTRIBUTES

- Excellent Thermal Stability
- High Dielectric Strength
- Mil-I-19631 certified

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
NOMINAL THICKNESS , inches	0.012	ASTM D374
YIELD Square yards per pound Pounds per Square Yard	18.39 0.05	
DIELECTRIC STRENGTH (Volts – 2” electrodes)	8,300	ASTM D149
DIELECTRIC CONSTANT (23°C, 50% RH, 60 Hz)	3.8	ASTM D150
TENSILE STRENGTH (psi) Machine Direction (MD) Cross Machine Direction (XMD)	155 98	ASTM D828
GRAVES TEAR STRENGTH, POUNDS Machine Direction (MD) Cross Machine Direction (XMD)	13 12	ASTM D1004
DISSIPATION FACTOR (23°C, 50% RH, 60 Hz)	0.006	ASTM D150
VOLUME RESISTIVITY (Ohm-cm) (23°C, 50% RH)	10 ¹⁴	ASTM 257-66
SURFACE RESISTIVITY (Ohm) (23°C, 50% RH)	10 ¹²	ASTM-257-66

STORAGE

- Shelf life: one (1) year from the date of shipment.
- Store in a clean area free from exposure to excessive heat, moisture, or direct sunlight (50°F to 80°F).

Product performance will vary in each application and is dependent upon composite construction. Arlon Innovations does not guarantee the replication of this data by third parties. None of the data or statements contained herein is intended to warrant the performance of this product. Data is representative and not intended as a manufacturing specification.