



**TECHNICAL DATA SHEET**

# RM102

## 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
<b>NOMINAL THICKNESS</b> , inches	0.012	ASTM D374
<b>YIELD</b>		
Square yards per pound	1.22	
Pounds per Square Yard	0.83	
<b>DIELECTRIC STRENGTH</b> (Volts - 1/4" electrodes)	11,000	ASTM D149
<b>DIELECTRIC CONSTANT</b> (23°C, 50% RH, 60 Hz)	3.8	ASTM D150
<b>TENSILE STRENGTH</b> (kpsi)		
Machine Direction (MD)	21	ASTM D828
Cross Machine Direction (XMD)	16	
<b>ELONGATION AT BREAK</b> (%)		
Machine Direction (MD)	270	ASTM D828
Cross Machine Direction (XMD)	140	
<b>DISSIPATION FACTOR</b> (23°C, 50% RH, 60 Hz)	0.006	ASTM D150
<b>VOLUME RESISTIVITY</b> (Ohm-cm) (23°C, 50% RH)	10 <sup>14</sup>	ASTM 257-66
<b>SURFACE RESISTIVITY</b> (Ohm) (23°C, 50% RH)	10 <sup>12</sup>	ASTM-257-66

### STORAGE

- Shelf life: one (1) year from 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. Alamotape 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.*