



TECHNICAL DATA SHEET

MRM171

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	0.009	ASTM D374
YIELD		
Square yards per pound	16.82	
Pounds per Square Yard	0.06	
DIELECTRIC STRENGTH (Volts - 1/4" electrodes)	4,000	ASTM D149
DIELECTRIC CONSTANT (23°C, 50% RH, 60 Hz)	3.3	ASTM D150
TENSILE STRENGTH (kpsi)		
Machine Direction (MD)	28	ASTM D828
Cross Machine Direction (XMD)	34	
ELONGATION AT BREAK (%)		
Machine Direction (MD)	110	ASTM D828
Cross Machine Direction (XMD)	90	
DISSIPATION FACTOR (23°C, 50% RH, 60 Hz)	0.0025	ASTM D150
VOLUME RESISTIVITY (Ohm-cm) (23°C, 50% RH)	10 ¹⁸	ASTM 257-66
SURFACE RESISTIVITY (Ohm) (23°C, 50% RH)	10 ¹²	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.