



TECHNICAL DATA SHEET

MKM1101

Class A 105°C Insulation

A flexible composite insulation composed of 10 mil electrical grade polyester film laminated to both sides of 1 mil kraft paper using a high temperature adhesive system.

PRODUCT ATTRIBUTES

- Good thermal stability and excellent electrical properties
- High tensile, tear, and burst strength
- UL 1446 105°C and recognized insulation system, file E60273

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
NOMINAL THICKNESS , inches	0.0125	ASTM D374
YIELD		
Square Yards per Pound	1.38	
Pounds per Square Yard	0.91	
DIELECTRIC STRENGTH (Volts - 2" electrodes)	4,500	ASTM D149
DIELECTRIC CONSTANT (23°C, 50% RH, 60 Hz)	3.6	ASTM D150
TENSILE STRENGTH (psi)		
Machine Direction (MD)	150	ASTM D828
Cross Machine Direction (XMD)	85	
GRAVES TEAR STRENGTH (psi)		
Machine Direction (MD)	12	ASTM D1004
Cross Machine Direction (XMD)	10	

STORAGE

- Shelf life: one (1) year
- 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.