



TECHNICAL DATA SHEET

KMK101

Class A 105°C Insulation

A flexible composite insulation composed of 10 mil Kraft paper and 1 mil electrical grade polyester film laminated with 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	0.0115	ASTM D374
YIELD Square Yards per Pound Pounds per Square Yard	1.58 0.86	
DIELECTRIC STRENGTH (Volts – 2" electrodes)	4,300	ASTM D149
DIELECTRIC CONSTANT (23°C, 50% RH, 60 Hz)	3.6	ASTM D150
TENSILE STRENGTH (psi) Machine Direction (MD) Cross Machine Direction (XMD)	150 85	ASTM D828
GRAVES TEAR STRENGTH (lbs) Machine Direction (MD) Cross Machine Direction (XMD)	12 10	ASTM D1004

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.