



TECHNICAL DATA SHEET

Mylar™ Insulation – ACP031AFR-D (Single Sided) Acrylic Flame Retardant – ACP131AFR (Double Sided)

A flexible composite insulation composed of 3 mil EL Mylar™ with an acrylic thermosetting adhesive on one or both sides. The acrylic adhesive is b-staged and can bond with heat and pressure to many substrates.

PRODUCT ATTRIBUTES

- Excellent thermal stability, electrical properties, and chemical resistance
- Features DuPont Mylar film
- High continuous temperature resistance
- Very thin profile
- RoHS and REACH compliant

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
NOMINAL THICKNESS , inches	0.004 – 0.005	ASTM D374
DIELECTRIC STRENGTH (MINIMUM) , Volts (2-inch diameter electrodes)	10,000	ASTM D149
TENSILE STRENGTH , lb/in width Machine Direction (MD) Cross Machine Direction (XMD)	110 90	ASTM D828
BOND STRENGTH	Adhesive exceeds strength of Mylar	
DIELECTRIC CONSTANT , (23°C, 50% RH, 60 Hz)	3.2	ASTM D150
LAMINATION PARAMETERS Temperature , °F Time , minutes Pressure , psi	310 30 25 - 75	
CONTINUOUS USE TEMPERATURE , °C	105	

This product complies with RoHS (Restriction of Hazardous Substances) Directive, citation 2002/95/EC. Arlon Innovations does not manufacture this material using any of the banned substances listed in the directive guidelines as of March 31, 2015.

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.