



TECHNICAL DATA SHEET

Mylar™ Insulation – ACP051AFR-D (Single Sided) Acrylic Flame Retardant – ACP151ADFR-D (Double Sided)

A flexible composite insulation composed of 5 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	0.006 – 0.007	ASTM D374
YIELD		
Square yards per pound	3.08	
Pounds per square yard	0.32	
DIELECTRIC STRENGTH , Volts (2-inch diameter electrodes)	19,000	ASTM D149
TENSILE STRENGTH , lb/in width		
Machine Direction (MD)	135	ASTM D828
Cross Machine Direction (XMD)	150	
BOND STRENGTH	Adhesive exceeds strength of Mylar	
DIELECTRIC CONSTANT , (23°C, 50% RH, 60 Hz)	3.2	ASTM D150
LAMINATION PARAMETERS		
Temperature , °F	310	
Time , minutes	30	
Pressure , psi	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 July 1, 2008.

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.