



**TECHNICAL DATA SHEET**

# PET Insulation – ACP051AFR-D (Single Sided) Acrylic Flame Retardant – ACP151ADFR-D (Double Sided)

A flexible composite insulation composed of 5 mil PET 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
- High continuous temperature resistance
- Very thin profile
- RoHS and REACH compliant

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
<b>NOMINAL THICKNESS</b> , inches	0.006 - 0.007	ASTM D374
<b>YIELD</b>		
Square yards per pound	3.08	
Pounds per square yard	0.32	
<b>DIELECTRIC STRENGTH</b> , Volts (2-inch diameter electrodes)	19,000	ASTM D149
<b>TENSILE STRENGTH</b> , lb/in width		
Machine Direction (MD)	135	ASTM D828
Cross Machine Direction (XMD)	150	
<b>BOND STRENGTH</b>	Adhesive exceeds strength of PET	
<b>DIELECTRIC CONSTANT</b> , (23°C, 50% RH, 60 Hz)	3.2	ASTM D150
<b>LAMINATION PARAMETERS</b>		
<b>Temperature</b> , °F	310	
<b>Time</b> , minutes	30	
<b>Pressure</b> , psi	25 - 75	
<b>CONTINUOUS USE TEMPERATURE</b> , °C	105	

This product complies with RoHS (Restriction of Hazardous Substances) Directive, citation 2002/95/EC. Alamotape® 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 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.*