



**TECHNICAL DATA SHEET**

# Arlon Innovations Custom Adhesives

## EFR – Thermosetting Epoxy Flame Retardant

Arlon Innovations epoxy flame retardant (EFR) adhesive system is ideally applied to many substrates including Aramid paper, Polyimide film and PET (polyethylene Terephthalate). EFR is supplied in b-stage form. The b-staged adhesive can be heated and pressed for full cure bonding to steel, copper and many other substrates.

### PRODUCT ATTRIBUTES

- Excellent thermal stability, electrical properties, and chemical resistance
- High continuous temperature resistance
- RoHS and REACH compliant
- Designed for UL V0 and VTM0 flammability applications

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
VISCOSITY (CP)	3000 - 5000	RH spindle #5, 20 rpm
PERCENT SOLIDS	48% – 52%	ALT 081
RECOMMENDED B-STAGE TEMPERATURE (°F)	210 - 260	
RECOMMENDED CURING PARAMETERS		
Temperature, °F	310 - 350	
Time, minutes	30	
Pressure, psi	150 - 200	

Curing parameters are application specific. It is highly recommended that optimal temperature, time and pressure be determined for each specific application.

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.*