



TECHNICAL DATA SHEET

Tedlar® / Tedlar® / PET Insulation – TTM1H1H5EA1 (Single Coated) Epoxy B-Stage Adhesive

A laminated construction of DuPont Tedlar® polyvinyl fluoride (PVF) film with electrical grade polyester film, coated on one side with FLEXcon Industrial's Epoxy based thermosetting adhesive system. The thermosetting adhesive is applied to the Tedlar® in b-stage form. Once b-staged, the product can be heated and pressed for full cure bonding to many substrates.

PRODUCT ATTRIBUTES

- Excellent thermal stability, electrical properties, and chemical resistance
- High adhesive bond strength
- High continuous temperature resistance
- RoHS and REACH compliant

| REPRESENTATIVE PHYSICAL PROPERTIES | | |
|--|-------------------------------|-------------|
| PROPERTY | VALUE | TEST METHOD |
| NOMINAL THICKNESS , inches | 0.009 | ASTM D374 |
| YIELD Square Yards per Pound Pounds per Square Yard | 1.64 0.61 | |
| DIELECTRIC STRENGTH (Volts – 2" electrodes) | 15,000 | ASTM D149 |
| TENSILE STRENGTH (psi) Machine Direction (MD) Cross Machine Direction (XMD) | 139 158 | ASTM D828 |
| 180° PEEL ADHESION (on Al) | Exceeds strength of substrate | ASTM D3330 |
| LAMINATION PARAMETERS Temperature (°F) Time (minutes) Pressure (psi) | 325 30 200 | |

Lamination parameters are intended as guidelines only. Arlon Innovations strongly recommends that each manufacturer optimize the lamination parameters to each specific application.

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.