



TECHNICAL DATA SHEET

FEP Insulation – FEPPYR52 (Single Sided)

DuPont Pyralux™

A flexible composite insulation composed of a 5 mil fluorinated ethylene propylene (FEP) film laminated to 2 mil DuPont Pyralux acrylic adhesive. FEP is chemically inert and resistant to virtually all chemicals, and has a low permeability to liquids, gasses, moisture, and organic vapors.

PRODUCT ATTRIBUTES

- Excellent thermal stability, electrical properties, and chemical resistance
- High continuous temperature resistance
- High bond strength

REPRESENTATIVE PHYSICAL PROPERTIES		
PROPERTY	VALUE	TEST METHOD
NOMINAL THICKNESS, inches	0.007	ASTM D374
PEEL ADHESION* (lb/in) @72°F on Cu	8	
TENSILE STRENGTH* (psi)	3000	ASTM D882A
DIELECTRIC STRENGTH, Volts (1/4-inch diameter electrodes)		
Pyralux*	1000	ASTM D149
FEP*	6500	
DIELECTRIC CONSTANT (1 MHz)		
Pyralux*	2.0	ASTM D150-81
FEP*	4.0	
LAMINATION PARAMETERS*		
Temperature, °F	360 - 390	
Time, minutes	60 - 120	
Pressure, psi	200 - 400	
CONTINUOUS USE TEMPERATURE* (FEP) °C	-240 - 280	

*Data provided by component manufacturer

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.