



Adhesive Films and Preforms

31 Dunham Road
Billerica, MA 01821

Toll Free: (888) 832-4345
Fax: (978) 670-4956

Email: info@techfilm.com
www.techfilm.com

TF I2500F ELECTRICALLY INSULATIVE FILM

Description:

TechFilm I2500F is a high performance B-staged film adhesive. It features relatively high flow with good wetting properties, fairly high glass transition temperature and good adhesion to various substrates. It also features good chemical, heat, and moisture resistance. TechFilm I25001F will cure at temperatures above 130°C.

Shelf Life:

One month @ 20°C Three months @ 10°C Six months @ -10°C One year @ -40°C

Cure Schedules:

Cure Schedule	60 minutes at 150°C
Alternate Cure Schedules	90 minutes at 140°C
	15 minutes at 150°C plus 15 minutes at 180°C
	120 minutes at 130°C

Cured Properties:

<u>Property</u>	<u>Method</u>	<u>Value Obtained</u>
Color	Visual	Amber
Specific Gravity	ASTMD 790	1.2
Volume Resistivity at 25°C, Ohm-cm	ASTMD 257	>2 x10 ¹⁵
Lap Shear Strength to Aluminum at 25°C, psi	ASTMD 1002	4250
Lap Shear Strength to Gold at 25°C, psi	ASTMD 1002	2000
Lap Shear Strength to SS at 25°C, psi	ASTMD 1002	3850
Glass Transition Temperature, °C	ASTME 1356	135

All values reported above are typical values from the recommended cure, and are reported as a means of reference. Individual testing should be done to determine actual results, tested at specific conditions. Data should not be used for material specification purposes.

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