



Adhesive Films and Preforms

31 Dunham Road
Billerica, MA 01821Toll Free: (888) 832-4345
Fax: (978) 670-4956Email: info@techfilm.com
www.techfilm.com

TF T2526F

THERMALLY CONDUCTIVE & ELECTRICALLY INSULATIVE FILM

Description:

TechFilm T2526F is a high performance, thermally conductive and electrically insulative, B-staged film adhesive cast from 100% solids. It features a relatively low coefficient of thermal expansion, high glass transition temperature and good adhesion to various substrates. It also features good chemical, heat, and moisture resistance. TechFilm T2526F will cure at temperatures above 130°C.

Shelf Life: (Stored in dry conditions)

One month @ 20°C Two months @ 10°C Three 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

Cured Properties:

<u>Property</u>	<u>Method</u>	<u>Value Obtained</u>
Color	Visual	Cream
Thermal Conductivity, W/m-°K	Estimate	0.31
Specific Gravity	ASTMD 790	1.4
Volume Resistivity at 25°C, Ohm-cm	ASTMD 257	>2.0 x 10 ¹⁴
Lap Shear Strength to Aluminum at 25°C, psi	ASTMD 1002	2120
Linear Coefficient of Thermal Expansion, x 10 ⁻⁶ /°C		
Alpha 1 (below Tg)	ASTME 831	68
Alpha 2 (above Tg)	ASTME 831	320
Glass Transition Temperature, DSC, 20°C/min, °C	ASTME 1356	121
Weight Loss at 150°C, TGA, 20°C/min, N ₂ , %	ASTMD 3850	0.27
at 200°C	and MIL-STD-883	0.35
at 300°C	Section 3.8.5.1	0.72

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.

Rev. 11/10/06-LM

TechFilm, LLC
Telephone: (888) 832-434531 Dunham Road, Billerica, MA 01821
FAX (978) 670-4956