



Adhesive Films and Preforms

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TF T2726F

THERMALLY CONDUCTIVE & ELECTRICALLY INSULATIVE FILM

Description:

TechFilm T2726F 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, fairly high glass transition temperature and good adhesion to various substrates. It also features good chemical, heat, and moisture resistance. TechFilm T2726F will cure at temperatures above 90°C.

Shelf Life: (Stored in dry conditions)

4 days @ 20°C Two weeks @ 10°C Two months @ -10°C One year @ -40°C

Cure Schedules:

Cure Schedule 15 minutes at 150°C
 Alternate Cure Schedules 60 minutes at 120°C
 90 minutes at 100°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	64
Alpha 2 (above Tg)	ASTME 831	305
Glass Transition Temperature, DSC, 20°C/min, °C	ASTMD E1356	132

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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