

# I2701F

## ELECTRICALLY INSULATIVE FILM

### TECHNICAL DATA

January, 2011

#### Product Description

TechFilm I2701F is a high performance electrically isolating B-staged film adhesive specially formulated for bonding at lower temperatures. TechFilm I2701F will cure at temperatures above 90°C. It features good chemical, heat, and moisture resistance.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES
<ul style="list-style-type: none"> <li>• General Purpose Adhesive</li> <li>• Electronics Board laminate</li> </ul>	<ul style="list-style-type: none"> <li>• Electrically insulative</li> <li>• B-staged film</li> <li>• Chemical, heat, moisture resistant</li> </ul>	<ul style="list-style-type: none"> <li>• Copper</li> <li>• Aluminium</li> </ul>

CURED PROPERTIES*		
Property	Value	Test Method
Color	Transparent/Translucent	Visual
Specific Gravity	1.2	ASTM D790
Glass Transition Temperature, C	110	ASTME 1545
Volume Resistivity @25C, Ohm-cm	1 x 10 <sup>12</sup>	ASTM D257
Weight Loss at 150°C, TGA, 20°C/min, N2, %	0.35	ASTMD 3850
at 200°C	0.95	and MIL STD 883

TENSILE SHEAR STRENGTH*		
Property	Value	Test Method
to Aluminum @ 25C, psi	2350	ASTM D1002
to 101 Copper @ 25C, psi	3050	ASTM D1002

CURE SCHEDULE*		
Property	Value	Test Method
Cure Time @ 150C, min	30	Typical Cure Schedule
Cure Time @ 130C, min	60	Alternate Cure Schedule
Cure Time @ 100C, min	180	Alternate Cure Schedule

**Storage:** Store in dry conditions, out of sunlight and in tightly sealed containers.  
**Shelf Life:** 24 hours @ 20C Two weeks @ 10°C Two months @ -10C One year @ -40C

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