

T2422F

THERMALLY CONDUCTIVE FILM

TECHNICAL DATA

February, 2011

Product Description

TechFilm T2422F is a high performance, electrically insulative, B-staged film adhesive. It features a rubber modified polymer backbone with moderately high glass transition temperature and good chemical resistance and adhesion to various substrates. TechFilm T2422F will cure at temperatures above 100°C.

APPLICATIONS	FEATURES	RECOMMENDED SUBSTRATES
<ul style="list-style-type: none"> All purpose bonding Piezoelectric sensors 	<ul style="list-style-type: none"> Flexible Film Chemical, heat, moisture resistant B-staged film 	<ul style="list-style-type: none"> Aluminum Gold Hard to bond substrates

CURED PROPERTIES*		
Property	Value	Test Method
Color	Cream	Visual
Specific Gravity	1.9	ASTMD 790
Specific Heat Capacity, J/g-K	1.11	ASTM E1461
Glass Transition Temperature, C	93	ASTMD E1356
Thermal Conductivity, W/M-K	0.4	Estimate
Volume Resistivity @25C, Ohm-cm	>2.0 x 10 ¹⁴	ASTM D257
Weight Loss, TGA, 20C/min, N ₂ , %	@ 150C: 0.11 @ 200C: 0.48	ASTM D3850 and MIL-STD-883 Section 3.8.5.1

TENSILE SHEAR STRENGTH*		
Property	Value	Test Method
to Aluminum @ 25C, psi	3800	ASTM D1002
to Gold @ 25C, psi	3250	ASTM D1002

CURE SCHEDULE*		
Property	Value	Test Method
Cure Time @ 130°C, min	60	Typical Cure Schedule

Storage: Store in dry conditions, out of sunlight and in tightly sealed containers.

Shelf Life: One week @ 20°C One month @ 10°C Six months @ -10°C One year @ -40°C

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