

High Performance Acrylic 5 mil Laminating Adhesive



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**Surface Preparation**

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil.

**Temperatures**

Min Application Temp	<b>50° F</b>	<b>10° C</b>
Max Continuous Operating Temp	<b>266° F</b>	<b>130° C</b>
Max Intermittent Operating Temp	<b>392° F</b>	<b>200° C</b>

**Storage and Shelf Life**

One year when stored at 70°F (21°C) 50% RH out of direct sunlight.

**PRODUCT DESCRIPTION**

**Applications**

Specially designed for use on nameplates, membrane touch switch assemblies and graphic overlays. Applications requiring good "holding power" under stress and load and environmental resistance.

**Features**

- Unsupported, specially formulated acrylic adhesive
- Adhesive protected by moisture resistant poly-coated kraft liner
- High initial tack
- Controlled adhesive thickness
- Flexible adhesive film
- Easy release liner

**Benefits**

- Ensures immediate initial adhesion
- Consistent application performance
- Chemical, Solvent, Heat, Humidity and UV resistance
- Ease of die-cutting and liner removal
- High temperature holding power
- Good conformability to flat or curved surfaces
- Moisture stable liner provides layflat for easy processing

**PRODUCT DATA**

**Product Construction**

		Test Methods: PSTC-133	
		<u>US Mil</u>	<u>MM's</u>
<b>Adhesive</b>	Modified Acrylic	<b>4.7</b>	<b>0.12</b>
<b>Liner</b>	White Printed PE-coated Kraft	<b>4.9</b>	<b>0.12</b>
	Total Construction	<b>9.6</b>	<b>0.24</b>

**Adhesive Properties**

**Peel Adhesion**

Foil 90° 12" / min 24 hr dwell

Test Method(s): PSTC-101, ASTM D-3330, STD-10

<u>Substrate</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
<b>SS</b>	<b>4.6</b>	<b>74</b>	<b>805</b>
<b>PP</b>	<b>4.0</b>	<b>64</b>	<b>700</b>
<b>Polycarbonate</b>	<b>4.4</b>	<b>70</b>	<b>770</b>
<b>PE</b>	<b>2.9</b>	<b>46</b>	<b>508</b>
<b>PMMA</b>	<b>4.6</b>	<b>74</b>	<b>805</b>
<b>ABS</b>	<b>5.1</b>	<b>82</b>	<b>893</b>

**Loop Tack**

2 mil PET 20" / min

Test Method(s): PSTC-16, STD-7

<u>Substrate</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
<b>SS</b>	<b>9.5</b>	<b>153</b>	<b>1670</b>

**Dynamic Shear**

Foil

Test Method(s): STD-27

<u>Substrate</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Inch</u>
<b>SS</b>	<b>135</b>	<b>2160</b>	<b>600</b>

**Static Shear**

Foil 1" sq (6.5 cm2) 1000 g

Test Method(s): PSTC-107, ASTM D 3654, STD-9

<u>Substrate</u>	<u>Min to Fail</u>
<b>SS</b>	<b>&gt; 10,000</b>

**SAFT**

Foil 1" sq (6.5 cm2) 1000 g

Test Method(s): STD-243

<u>Substrate</u>	<u>Min to Fail</u>	<u>Fail Temp °F</u>	<u>Fail Temp °C</u>
<b>SS</b>	<b>180</b>	<b>207</b>	<b>97</b>

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