### **3M**

## Laminating Adhesive For Label Component Systems 9459W

Technical Data			September, 2008	
<b>Product Description</b>	This laminating adhesive is pigmented to increase the opacity of sub-surface graphics printed labels			
Product Construction	Adhesive Color	Adhesive	Liner	
	White	1.5 mil (37.5 microns) #300 "Hi-Strength" Acrylic	3.2 mil (80 microns) 55# Densified Kraft	
Features	Can be used when constructing custom tamper-indicating labels.			
Application Ideas	<ul> <li>A component in the construction of labels designed for harsh environments such as in automotive and outdoor applications.</li> <li>Used to make tamper-indicating labels with 3M custom filled and solution components. These labels may be used as seals for over-the counter drugs, non-</li> </ul>			
	•	bile parts labels, fire extinguisher s	•	

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Typical Physical
<b>Properties</b>

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

	20 Minute Dwell Oz./In.
ASTM D-3330 (modified) 90° peel, 12 in./min. (305 mm/min.) 2 mil polyester to stainless steel	27
2 mil polyester to various surfaces:	72 Hour Dwell at Room Temp. Oz./In.
- Stainless Steel (Metal)	32
- Polycarbonate (High Surface Energy Plastic)	34
- Polypropylene (Low Surface Energy Plastic)	18

### **Environmental Performance**

The properties defined are based on the attachment of impervious faceplate materials (such as polyester) to an aluminum test surface. Values are listed in ounces per inch based on a 90° peel at 12 inches/minute (305 mm/min.).

Unleaded Gas at 1 Hour Room Temperature	26
MEK at 1 Hour Room Temperature	27
Freon TF at 1 Hour Room Temperature	32
Weak Acid (pH 4) at 4 Hours Room Temperature	31
Weak Base (pH 10) at 4 Hours Room Temperature	20
Oil (10W30) at 72 Hours 120°F (49°C)	38
Water at 100 Hours Room Temperature	33
7 Days at 90°F (32°C) and 90% Relative Humidity	33
Temperature Cycling: 4 Hours at 158°F (70°C) 4 Hours at -20°F (-29°C) 16 Hours at Room Temperature Repeat three times	42

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#### **Shelf Life**

To obtain best performance, use this product within one year from date of manufacture.

#### **Product Use**

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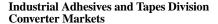
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ISO 9001: 2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.





3M Center, Building 21-1W-10, 900 Bush Avenue St. Paul, MN 55144-1000 800-223-7427 • 651-778-4244 (fax) www.3M.com/converter



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