

# Technical Data Sheet

## 3M™ Screen Printable Sheet Polyester Label Material 7950

### Product Description

3M™ Screen Printable Sheet Polyester Label Materials are durable, high performance materials that offer excellent thermal stability, moisture resistance and chemical resistance. These materials utilize 3M™ Adhesive 300, which has excellent quick tack and also bonds well to a variety of surfaces including LSE plastics.

### Product Features

- Facestock is topcoated for improved ink anchorage. Variable information can be added by the end-user as the material is thermal transfer printable.
- 3M adhesive 300 bonds well to a wide variety of substrates including metals, high surface energy (HSE) plastics and low surface energy (LSE) plastics. It is ideal for applications requiring high initial adhesion especially to LSE plastic surfaces.
- Liner provides easy sheet processing and is designed for layflat. The backside of the liner is not printable.
- UL recognized (File MH11410) and CSA accepted (File 99316). See the UL and CSA listings for details.

### Technical Information Note

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

### Typical Physical Properties

Property	Values	Additional Information
Adhesive Type	300 Acrylic	
Liner	90# Polycytd. bleached kraft sheet polyethylene coated on two sides	
Liner Thickness	0.17 mm	
Facestock	Clear Polyester Gloss TC	
Facestock Thickness	0.051 mm	
Adhesive Thickness	0.8 mil	
Adhesive Thickness	0.02 mm	

Facestock Thickness 2 mil




Liner Thickness 6.7 mil

**Convertability**

3M™ High Strength Acrylic Adhesive 300 is designed to be compatible with a variety of print methods and end use applications. Due to the quick flowing aggressive nature of this adhesive, care should be taken when converting labels for thermal transfer applications. Please refer to the die cutting/converting section of this data page or the “Guide to Converting and Handling Label Products” technical bulletin for additional information.

Adhesive Coat Weight 1.21 to 1.49 g/100 in<sup>2</sup>

### Typical Performance Characteristics

Property	Values	Additional Information
90° Peel Adhesion Polypropylene (PP)	4.2 N/cm	<a href="#">View</a> 
<p>Test Method: ASTM D3330</p> <p>Test Name: 90° Peel Adhesion</p> <p>Dwell/Cure Time: 72.0</p> <p>Dwell Time Units: hr</p> <p>Temp C: 23C</p> <p>Temp F: 72F</p> <p>Environmental Condition: 50%RH</p> <p>Substrate: Polypropylene (PP)</p> <p>Backing: 2 mil PET</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion Stainless Steel	46 oz/in	<a href="#">View</a> 
<p>Test Method: ASTM D3330</p> <p>Test Name: 90° Peel Adhesion</p> <p>Dwell/Cure Time: 72.0</p> <p>Dwell Time Units: hr</p> <p>Temp C: 23C</p> <p>Temp F: 72F</p> <p>Environmental Condition: 50%RH</p> <p>Substrate: Stainless Steel</p> <p>Backing: 2 mil PET</p> <p>Notes: 12 in/min (300 mm/min)</p>		
90° Peel Adhesion	3.1 N/cm	<a href="#">View</a> 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 72.0</p> <p>Dwell Time Units: hr</p> <p>Temp C: 23C</p> <p>Temp F: 72F</p> <p>Environmental Condition: 50%RH</p>		

Substrate: High Density Polyethylene (HDPE)  
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

28 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

34 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)

Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

5.5 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

50 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

1.9 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

17 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.6 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

42 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

5.5 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

50 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.2 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH  
 Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

29 oz/in

View 

Test Method: ASTM D3330  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 49C  
 Temp F: 120F  
 Environmental Condition: 50%RH  
 Substrate: High Density Polyethylene (HDPE)  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion


1.1 N/cm

View 

Test Method: ASTM D3330  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 49C  
 Temp F: 120F  
 Environmental Condition: 50%RH  
 Substrate: Low Density Polyethylene (LDPE)  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

10 oz/in

View 

Test Method: ASTM D3330  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 49C  
 Temp F: 120F  
 Environmental Condition: 50%RH  
 Substrate: Low Density Polyethylene (LDPE)  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Stainless Steel


5 N/cm

View 

Notes: 12 in/min (300 mm/min) ASTM D3330 72 hour dwell on Stainless Steel at 23°C (72°F) and 50% RH Backing: 2 mil Polyester

90° Peel Adhesion Glass

5.2 N/cm

View 

Test Method: ASTM D3330  
 Test Name: 90° Peel Adhesion  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 23C  
 Temp F: 72F  
 Environmental Condition: 50%RH  
 Substrate: Glass  
 Backing: 2 mil PET  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Glass

48 oz/in

View 

Test Method: ASTM D3330  
 Test Name: 90° Peel Adhesion  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 23C

Temp F: 72F  
 Environmental Condition: 50%RH  
 Substrate: Glass  
 Backing: 2 mil PET  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polycarbonate (PC)

5 N/cm

View 

Test Method: ASTM D3330  
 Test Name: 90° Peel Adhesion  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 23C  
 Temp F: 72F  
 Environmental Condition: 50%RH  
 Substrate: Polycarbonate (PC)  
 Backing: 2 mil PET  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polycarbonate (PC)

46 oz/in

View 

Test Method: ASTM D3330  
 Test Name: 90° Peel Adhesion  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 23C  
 Temp F: 72F  
 Environmental Condition: 50%RH  
 Substrate: Polycarbonate (PC)  
 Backing: 2 mil PET  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion Polypropylene (PP)

38 oz/in

View 

Test Method: ASTM D3330  
 Test Name: 90° Peel Adhesion  
 Dwell/Cure Time: 72.0  
 Dwell Time Units: hr  
 Temp C: 23C  
 Temp F: 72F  
 Environmental Condition: 50%RH  
 Substrate: Polypropylene (PP)  
 Backing: 2 mil PET  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

5.8 N/cm

View 

Test Method: ASTM D3330  
 Dwell/Cure Time: 24.0  
 Dwell Time Units: hr  
 Temp C: 32C  
 Temp F: 90F  
 Environmental Condition: 90%RH  
 Substrate: Stainless Steel  
 Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

53 oz/in

View 

Test Method: ASTM D3330  
 Dwell/Cure Time: 24.0  
 Dwell Time Units: hr  
 Temp C: 32C  
 Temp F: 90F

Environmental Condition: 90%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.9 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

36 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.8 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

44 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.8 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

44 oz/in

View 



Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.5 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

32 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.3 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

30 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.6 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel



Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

42 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.8 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

44 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.2 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

38 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0

Dwell Time Units: min

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

4.6 oz/in

View 


Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

42 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.1 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

28 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

2.7 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

25 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

90° Peel Adhesion

3.7 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)  
Backing: 2 mil PET

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6.1 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

56 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6.7 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

59 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

5.8 N/cm

View



Test Method: ASTM D3330


Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C

Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

53 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6.6 N/cm

View 


Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

60 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 10.0  
Dwell Time Units: min  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6.7 N/cm

View 


Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

61 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6.1 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

56 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.8 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

71 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

4.4 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

40 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

4.6 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

42 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 23C

Temp F: 72F

Environmental Condition: 50%RH

Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.7 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

70 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

3.3 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0

Dwell Time Units: hr

Temp C: 49C

Temp F: 120F

Environmental Condition: 50%RH

Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

30 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

5.9 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

54 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

4.4 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

40 oz/in

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

1 N/cm

View



Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)



180° Peel Adhesion

9 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.3 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

67 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 23C  
Temp F: 72F  
Environmental Condition: 50%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.7 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

70 oz/in

View 


Test Method: ASTM D3330

Dwell/Cure Time: 72.0  
Dwell Time Units: hr  
Temp C: 49C  
Temp F: 120F  
Environmental Condition: 50%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.4 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F

Environmental Condition: 90%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

68 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Stainless Steel

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

6 N/cm

View 


Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

55 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polycarbonate (PC)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.2 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

66 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Polypropylene (PP)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

7.3 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

67 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Glass

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

4.9 N/cm

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

45 oz/in

View 

Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: High Density Polyethylene (HDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion

3.9 N/cm

View 


Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion









36 oz/in

View 


Test Method: ASTM D3330

Dwell/Cure Time: 24.0  
Dwell Time Units: hr  
Temp C: 32C  
Temp F: 90F  
Environmental Condition: 90%RH  
Substrate: Low Density Polyethylene (LDPE)

Notes: 12 in/min (300 mm/min)

180° Peel Adhesion	3.8 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 10.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: High Density Polyethylene (HDPE)</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	35 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 10.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: High Density Polyethylene (HDPE)</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	3.5 N/cm	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 10.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Low Density Polyethylene (LDPE)</p> <p>Notes: 12 in/min (300 mm/min)</p>		
180° Peel Adhesion	32 oz/in	View 
<p>Test Method: ASTM D3330</p> <p>Dwell/Cure Time: 10.0 Dwell Time Units: min Temp C: 23C Temp F: 72F Environmental Condition: 50%RH Substrate: Low Density Polyethylene (LDPE)</p> <p>Notes: 12 in/min (300 mm/min)</p>		
Long Term Temp C	149 °C	View 
<p>Test Condition: Long Term (day, weeks)</p>		
Minimum Long Term Temperature Resistance	-40 °C	View 
<p>Test Condition: Long Term (day, weeks)</p>		
Long Term Temp F	302 °F	View 
<p>Test Condition: Long Term (day, weeks)</p>		
Minimum Long Term Temperature Resistance	-40 °F	View 

Test Condition: Long Term (day, weeks)

Minimum Application Temperature	10 °C	
Minimum Application Temperature	50 °F	
Note	Calipers are nominal values	
Liner Release	10 to 60 g/2 in	<a href="#">View</a> 
Test Method: TLMI		
Notes: 180° removal, 300 in/min		

## Available Sizes

Finished labels should be stored in plastic bags.

## Typical Environmental Performance

Property	Values	Additional Information
Chemical and Environmental Exposure	The properties defined are based on four hour immersions at room temperature (72°F/22° C) unless otherwise noted. Samples were applied to stainless steel panels 24 hours prior to immersion and were evaluated one hour after removal from the solution for peel adhesion. Adhesion measured at 180° peel angle (ASTM D 3330) at 12 inches/minute.	-
Humidity Resistance	24 hours at 100°F (38°C) and 100% relative humidity: no significant change in appearance or adhesion	
Temperature Resistance	300°F (149°C) for 24 hours: no significant visual change -40°F (-40°C) for 10 days: no significant visual change	

## Printing

Material has a topcoating which is receptive to many inks including UV and conventional ink systems. The converter should verify that their ink systems are compatible with the topcoating on the polyester film by testing beforehand. The topcoating is also receptive to other forms of printing including hot stamping and thermal transfer printing. The converter should verify that the method of printing is compatible with the topcoating by testing beforehand.

## Converting

Die cut with steel rule or flatbed dies. The 90# lay-flat liner also allows kiss cutting and back splitting. The converter can cut through the polyester facestock without cutting through the liner. Sheet label materials are not recommended for rotary die cutting and stripping operations.

## Storage and Shelf Life

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Store at room temperature conditions of 72°F (22°C) and 50% relative humidity.

If stored under proper conditions, product retains its performance and properties for 24 months from date of manufacture.

## Industry Specifications

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UL Recognized (File MH11410)

CSA Accepted (File 99316)

## Bottom Matter

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3M

Industrial Adhesives and Tapes Division

Converter Markets

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## Trademarks

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3M is a trademark of 3M Company.

Alconox is a registered trademark of Alconox, Inc.

409 is a registered trademark of Clorox.

## Handling/Application Information

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### Application Examples

- Barcode labels and rating plates.
- Property identification and asset labeling.
- Warning, instruction, and service labels for durable goods.
- Nameplates for durable goods.

### Application Techniques

For maximum bond strength, the surface should be clean and dry. Typical cleaning solvents are heptane and isopropyl alcohol.\*

For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 50°F (10°C), can cause the adhesive to become so firm that it will not develop maximum contact with the substrate. Higher initial bonds can be achieved through increased rubdown pressure.

\*When using solvents, read and follow the manufacturer's precautions and directions for use.

## References

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Property	Values
3m.com Product Page	<a href="https://www.3m.com/3M/en_US/p/d/b5005329208/">https://www.3m.com/3M/en_US/p/d/b5005329208/</a>
Safety Data Sheet SDS	<a href="https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=7950">https://www.3m.com/3M/en_US/company-us/SDS-search/results/?gsaAction=msdsSRA&amp;msdsLocale=en_US&amp;co=ptn&amp;q=7950</a>

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## ISO Statement

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

## Information

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