



# White Vinyl Label Material

## 7620

FOD# 0327

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### Technical Data

March 30, 1999

*Supersedes January 1, 1999*

Construction	Facestock	Adhesive	Liner
	3.5 mils (89 microns)	0.9 mil (23 microns)	3.2 mils (81 microns)
	Rigid, gloss, white vinyl, topcoated	#300 high-strength acrylic	#55 densified kraft – premium release

- Features**
- Topcoated vinyl offers excellent printability.
  - #300 High-strength acrylic adhesive provides outstanding adhesion to low surface energy plastics. It resists flagging and edge lifting and has excellent long-term aging.
  - Resists wrinkling and delamination.

- Application Ideas**
- Labels for light-duty applications.
  - Excellent for general-purpose labeling.
  - Miscellaneous automotive applications.

### Typical Physical Properties and Performance Characteristics

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

Adhesion: 180° Peel, 10 Minute Dwell (ASTM 3330)

Surface	Initial - 10 minute dwell		Conditioned for 3 days at room temperature	
	oz./in.	N/100 mm	oz./in.	N/100 mm
Stainless Steel	80	88	89	97
Polycarbonate	81	89	83	91
Polypropylene	74	81	82	90

Liner Release: 180° liner removal

90 in./min.      8 gm./in. width

300 in./min.      9 gm./in. width

### Environmental Performance

**Note: The following tests are intended to be a guide to product performance. Application testing is recommended using actual substrates, expected dwell times, and actual conditioning for determination of product suitability.**

The properties defined are based on four hour immersions at room temperature, unless otherwise noted. Samples were applied to stainless steel 24 hours prior to immersions and were evaluated one hour after removal.

Chemical	Appearance
Isopropyl Alcohol	No change
Detergent	No change
Engine Oil at 250°F (121°C)	No change
Water for 48 Hours	No change

Temperature resistance: 175°F (79°C) for 24 hours: No change

Humidity resistance: 100°F (38°C) and 100% relative humidity for 24 hours: No change

Shelf life: One year from date of manufacture of material if properly stored at 72°F (22°C) and 50% relative humidity.

**Processing**

**Printing:**

- Facestock is top coated for enhanced ink anchorage.
- Refer to the Graphic Ink Selection Guide or call Customer Service at 1-800-328-1681 for recommendations.

**Die-cutting:**

- Rotary or flat-bed.

**Special Considerations**

- For maximum bond strength, surface should be thoroughly cleaned and dried. A typical cleaning solvent is heptane or isopropyl alcohol.\*  
  
\* Note: Follow the manufacturer's precautions and directions for use when using solvents.
- For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 50°F (10°C), cause the adhesive to become firm and will not allow the adhesive to flow and develop intimate contact with the substrate.
- Higher initial bonds can be achieved through increased rubdown pressure. Use a rubber roller with maximum hand pressure for best results.

**Technical Information and Data**

The technical information and data, recommendations, and other statements provided are based on tests or experience which 3M believes to be reliable, but the accuracy or completeness of such information is not guaranteed.

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