Versatile Print Label Material 7871V

Product Data Sheet

August 2019 Supersedes: New

Product Description

 $3M^{TM}$ Versatile Print Label Material 7871V is a 50 µm, gloss white polyester labelstock designed for UV Inkjet, UV- and water based Flexo Printing. This product utilizes $3M^{TM}$ Adhesive 350E, designed to provide good adhesion to high and low surface energy plastics and metals.

Physical Properties

(Calipers are nominal values)

Facestock	50 μm gloss white polyester
Adhesive	46 μm 350E acrylic
Liner	81 µm, 90 g/m² white densified single-sided glassine

Key Features

- Facestock is topcoated for UV Inkjet, UV- and water based Flexo
- Densified single-sided glassine liner for consistent die cutting.
 The liner improves ease of dispensing.
- UL recognized (File Number MH16411).

Performance Characteristics

Standard Test Conditions are 23 °C and 50 % Relative Humidity 180° Peel Adhesion tested using FINAT Test Procedure FTM 1 (300 mm/min)

Adhesion	72 Hours at Standard Conditions
	N/25 mm
Stainless Steel	23,9
Polycarbonate	23,1
Polypropylene	18,6

Adhesion	72 Hours at 40 °C and 100 % RH
	N/25 mm
Stainless Steel	14,1
Polycarbonate	17,5
Polypropylene	17,8

Service Temperature*	-40 °C to 150 °C
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^{*} Visual assessment: The samples were tested on stainless steel panels at -40°C and 150°C for 96 hours to assess the temperature range of the product. There was not any visual discoloration, bubbling, delamination, or any issues with the appearance or adhesion for any of the samples.

Other substrates should be tested as per application

Application Ideas

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

Processing

Printing:

The topcoat is designed for UV Inkjet, UV- and water based Flexo.

Die Cutting:

Rotary die cutting is recommended. Fanfolding of labels is not recommended. Small labels should be evaluated carefully. Winding tensions should be kept at a minimum to help prevent the adhesive from oozing.

Packaging:

Finished labels should be stored in plastic bags.

Special Considerations

For maximum bond strength, the surface should be clean and dry. Isopropyl alcohol is a typical cleaning solvent.

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

For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 5 °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.

Storage & Shelf Life

Store at 16 °C - 25 °C and 40 - 65 % relative humidity. The product can be stored up to 24 months after manufacturing.

For Additional Information

To request additional product information or to arrange for sales assistance, call......

Address correspondence to: see address below

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