



# Versatile Print Label Material 7871V

## Product Data Sheet

August 2019  
Supersedes: New

### Product Description

3M™ 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™ Adhesive 350E, designed to provide good adhesion to high and low surface energy plastics and metals.

### Physical Properties

(Calipers are nominal values)

<b>Facestock</b>	50 µm gloss white polyester
<b>Adhesive</b>	46 µm 350E acrylic
<b>Liner</b>	81 µm, 90 g/m <sup>2</sup> 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
<b>Stainless Steel</b>	23,9
<b>Polycarbonate</b>	23,1
<b>Polypropylene</b>	18,6

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

<b>Service Temperature*</b>	-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

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**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.

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**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.

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**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.

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**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.

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**For Additional Information**

To request additional product information or to arrange for sales assistance, go to [www.3M.be/bonding](http://www.3M.be/bonding) or [www.3M.nl/bonding](http://www.3M.nl/bonding).

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**Important Notice**

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Values presented have been determined by standard test methods and are average values not to be used for specification purposes. Our recommendations on the use of our products are based on tests believed to be reliable but we would ask that you conduct your own tests to determine their suitability for your applications. This is because 3M cannot accept any responsibility or liability direct or consequential for loss or damage caused as a result of our recommendations

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Industrial Adhesives & Tapes Division  
3M Belgium  
Hermeslaan 7  
1831 Diegem  
Belgium

Industrial Adhesives & Tapes Division  
3M Nederland  
Molengraafsingel 29  
2629 JD Delft  
Nederland