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)

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 ºC and 50 % Relative Humidity
180º 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 ºC and 100 % RH**
	N/25 mm
Stainless Steel	14,1
Polycarbonate	17,5
Polypropylene	17,8

Service Temperature*	-40 °C to 150 °C

* 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
Important Notice	All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method or application. All questions of liability relating to this product are governed by the terms of the sale subject, where applicable, to the prevailing law

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.
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