



Polyester Label Material with 250E Adhesive 7382 VOID

Product Data Sheet

January 2019
Supersedes: February 2010

Product Description 3M™ Polyester Label Material 7382 is printable polyester labelstock designed for general industrial applications. This product utilizes 3M™ Adhesive 250E, offering high adhesive strength on a variety of surfaces including high surface energy (HSE) plastics and metals.

Product Descriptor / Dispatch Labelling 7382 3M TT1 MS PET50-250E/21-90WG

Physical Properties
(Calipers are nominal values)

Facestock (Film + Topcoat)	55 micron polyester silver matt
Adhesive	19 micron 250E acrylic
Liner 90WG	77 micron, 89 g/m ² white densified paper

Key Features

- The facestock is designed to accept inks used in standard printing methods including screen printing, flexography and letterpress. Variable information may be applied by thermal transfer printing.
- VOID Effect prevents manipulation of label.
- Polyester facestock offers good thermal stability and provides durability in harsh environments.
- Densified glassine liner for consistent die cutting.
- UL MH18072 Recognised

Application Ideas

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

Adhesion, According to FTM1, 180° and 300 mm/min. Standard Test Conditions are 23 °C and 50% Relative Humidity	
72 h RT (application to stainless steel)	6,0 N/cm
72 h RT (application to ABS)	6,9 N/cm
72 h RT (application to polypropylene)	5,3 N/cm
72 h 70 °C (application to stainless steel)	7,6 N/cm
72 h 40 °C, 98 % R.H. (application to stainless steel)	6,8 N/cm
72 h -40 °C (application to stainless steel)	5,8 N/cm

Temperature resistance of label applied to stainless steel.
Other substrates should be tested as per application

Service Temperature 24 hours exposure (DIN 30646)	-40 to 150 °C
Minimum Application Temperature (DIN 30646)	10 °C

Processing

Printing:

The facestock is designed to accept print from most standard printing methods including screen-printing, flexography and letterpress. Variable information may be applied by thermal transfer printing. Resin ribbons are recommended for optimum durability. The compatibility of ink systems and printing methods should be verified by testing in the actual process.

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.

UL Certification

Individual materials and printing are UL recognized according to details in File MH18072

For Additional Information

To request additional product information or to arrange for sales assistance, call.....
Address correspondence to: 3M

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