



Polyester Label Material 76676

Product Data Sheet

June 2018
Supersedes: New

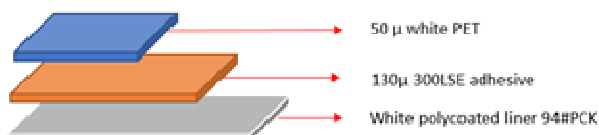
Product 76676 3M TT0 GW PET50-300LSE/130-94#PCK

Product Description 3M™ Polyester Label Material 76676 is a 50 micron, gloss white polyester labelstock designed for thermal transfer printing. This product utilizes 3M™ Adhesive 300LSE, designed to provide good adhesion to metal and polypropylene.

Physical Properties

(Calipers and coatweight are nominal values)

Facestock	50μ, Gloss White PET with printable topcoat
Adhesive	130μ, 300LSE Acrylic Adhesive
Liner	170μ, 94# Polycoated Kraft Liner



Key Features

- Good adhesion to rough painted surfaces on pipes
- Thick liner can be easily removed by hand
- Low Halogen contents
(<900ppm Chlorine, <900ppm Bromide and <1500ppm total halogen content)

Performance Characteristics

Adhesion according to FINAT FTM1 (300mm/Min, 180°), N/25 mm.

Adhesion	72 h @ 23°C	72 h @ 70°C	72 h @ -40 °C
Stainless Steel	26,5	34,2	26,6
PP	27,3	28,4	26,8

Temperature resistance of label-overlamine on aluminium.
Visual evaluation after 336 hours
Other substrates must be tested as needed

Temperature Resistance	- 40 °C - 95 °C no change
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Application Ideas	<ul style="list-style-type: none">• Pipe Marking
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Processing	<p>Printing: Facestock is topcoated for improved ink receptivity and designed for thermal transfer printing. It is printable by standard roll processing methods including flexography, hot stamp, letterpress, and screen printing. The compatibility of ink systems and printing methods should be verified by testing in the actual process.</p> <p>Die Cutting: Rotary die cutting is recommended. Fan-folding 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.</p> <p>Packaging: Finished labels should be stored in plastic bags.</p>
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Special Considerations	<p>For maximum bond strength, the surface should be clean and dry. Isopropyl alcohol is a typical cleaning solvent.</p> <p>NOTE: When using solvents, read and follow the manufacturer's precautions and directions for use.</p> <p>For best bonding conditions, application surface should be at room temperature or higher. Low temperature surfaces, below 10°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.</p>
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Storage & Shelf Life	<p>Store at 16 °C – 25 °C and 40 – 65 % relative humidity. The product can be stored up to 24 months after manufacturing.</p> <p>Protected from direct sunlight</p>
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