



Label Material 7713

Destructible Thermal Transfer Clear Acetate Label Material

Product Data Sheet

Updated : April 2004

Supersedes : April 2000

Physical Properties

Not for specification purposes
(Calipers are nominal values)

| | |
|-------------------|--|
| Facestock | 56 micron (2.2 thou) Matte Clear Acetate |
| Adhesive | 20 micron (0.8 thou) Permanent, high tack, UV stable acrylic adhesive. |
| Liner | 75 micron (3 thou), 90 g/m ² (#55) White Glassine Kraft |
| Shelf Life | 24 months from date of manufacture by 3M when properly stored at 22°C & 50 % Relative Humidity |

Features:

- Facestock is topcoated for thermal transfer printing. Resin ribbons are recommended for optimum durability. The topcoat also provides improved ink anchorage for traditional forms of press printing.
- Permanent UV stable acrylic adhesive, formulated with high tack and high ultimate adhesion and it particularly suitable for non polar substrates.
- Destructible Acetate facestock
- 90g/m² densified kraft liner assures consistent die cutting.

Application Ideas:

- Tamper indicator seal on a variety of containers
- Labelling requiring non-removability,
- Nameplates, identification markings, schematics, and instruction
- panels for equipment and appliances.
- Labelling of sports, lawn and garden equipment.

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Performance Characteristics

Not for specification purposes

| | | |
|--|---|------------|
| Adhesive Performance When supported to prevent facestock delamination | 180° Peel Adhesion to Glass FINAT 1 | 6.8 N/10mm |
| | Loop Tack to Glass FINAT 9 | 6.0 N/10mm |
| Environmental Performance | The topcoat is designed to have excellent resistance to UV, moisture & a wide variety of chemicals. | |
| Temperature Range | Service temperature -40 to 150°C Minimum application temperature +5°C | |

Processing

Printing:

Facestock is topcoated for improved ink receptivity and is designed for thermal transfer printing. High definition thermal transfer images can be printed using hybrid or resin ribbons on a wide variety of printers. It is printable by all standard roll processing methods including flexography, hot stamp, letterpress, and screen printing.

Die Cutting:

Rotary die cutting is 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. Typical cleaning solvents are heptane and isopropyl alcohol.

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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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.



Tapes & Adhesives Group

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