



White Polypropylene Label Product FP027202

Technical Data

July, 2006

Product Description 3M™ White Polypropylene Label Product FP027202 is a glossy white opaque material that offers excellent durability and moisture resistance. This label product utilizes 3M™ Adhesive P1400, which is a high performance tackified acrylic designed for use in demanding environments.

| Construction | Facestock | Adhesive | Liner |
|--------------|---------------------------------------|--------------------|---|
| | .0023 in. White Polypropylene TC2S | P1400 Perm. 0.9 | 50# SC 3.1 mil semi-bleached super calendered kraft sheet |

(Calipers are nominal values)

Typical Physical Properties

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Adhesion properties determined per TLMI Method using 1.0 mil polyester with 1.1 mil of adhesive on a polished stainless steel panel.

| | | |
|--------------------------------|----------------------------------|--|
| Peel Adhesion | 2.2 lbs./in. (380 N/m) | TLMI Method, 180° Peel, 12"/min., 1" wide sample |
| Loop Tack | 1.8 lbs./in. (316 N/m) | TLMI Method, 12"/min., 1" wide sample |
| Shear | 4 hours | TLMI Method, 1 in ² x 1000g |
| Adhesive Coat Weight | 1.75 g/100 in ² ± 10% | 3M Method E10MFP01 |
| Release Range | 15 to 50 g/2 in. | TLMI Method, 180° removal, 300 in./min. |
| Service Temperature | -20°F to 140°F (-29°C to 60°C) | |
| Application Temperature | 40°F to 120°F (5°C to 49°C) | |

Features

- Meets CONEG requirements.
- Adhesive dry ingredients are listed by FDA as indirect food contact additives when used in food packaging with minimum opportunity for exposure. See 21 CFR 175.105.
- Liner is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.

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Printing

- Label is topcoated to accept most film ink systems.

Water-based Flexo inks:

Akzo Nobel Hydro Film 4000 Series

Water Ink Technologies, Inc. Versifilm

Application Ideas

- Durable goods, product ID.

Storage Conditions

Store under normal conditions of 70°F (21°C) and 50% relative humidity. To minimize the effects of humidity on the products, package the die-cut and printed stock in polyethylene bags. Low density polyethylene (2-4 mils) can help prevent humidity penetration.

Shelf Life

To obtain best performance, use this product within two years from the date of manufacture.

Product Use

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ISO 9001:2000

This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001:2000 standards.



**Industrial Business
Converter Markets
Industrial Adhesives and Tapes Division**

1030 Lake Road
Medina, OH 44256-0428
800-422-8116 • 877-722-5072 (fax)
www.3M.com/converter



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