



Removable Clear Polypropylene Label Products

FP024402 • FP024408

Technical Data

June, 2006

Product Description

3M™ Removable Clear Polypropylene Label Products FP024402 and FP024408 offer excellent durability and moisture resistance. These label products utilize 3M™ Adhesive R3800, which is an ultra removable acrylic designed to be easily removable from specific types of surfaces, including high surface energy substrates.

Note: As a removable adhesive, the performance may vary depending upon the substrate to which it is applied. Therefore, extensive testing should be conducted prior to use and textured surfaces should be avoided. Not appropriate for children's toy or sticker applications.

Construction

Product Number	Facestock	Adhesive	Liner
3M label product FP024402	.002 in. Clear Polypropylene TC2S	R3800 Rem. 16	50# SC 3.1 mil semi-bleached super calendered kraft sheet
3M label product FP024408	.002 in. Clear Polypropylene TC2S	R3800 Rem. 16	44# Poly/Kraft 3.1 mil liner where polypropylene has been laminated to a 44# brown 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 0.8 mil of adhesive on a polished stainless steel panel.

Peel Adhesion	Approx.	.10 lbs./in. (18 N/m)	TLMI Method, 180° Peel, 12"/min., 1" wide sample
Loop Tack	Approx.	.30 lbs./in. (53 N/m)	TLMI Method, 12"/min., 1" wide sample
Shear		N/A	TLMI Method, 1 in ² x 1000g
Adhesive Coat Weight		1.55 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 (-7°C to 60°C)	
Application Temperature		50°F to 110°F (10°C to 43°C)	

Features

- Liner for 3M label product FP024402 is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.
- Liner for 3M label product FP024408 has excellent caliper control and strength making it ideal for high speed labeling applications.

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Printing

- Topcoated to accept most film ink systems and thermal transfer printing.

Water-based Flexo inks:

Water Ink Technologies, Inc. Versifilm

Akzo Nobel Hydro Film 4000 Series

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

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 of application.

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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.



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