



Indoor UL Recognized White Polyester Label Products FM122

Technical Data

September 2017

Product Description 3M™ Indoor UL Recognized White Polyester Label Products are durable, high performance materials that offer excellent thermal stability and moisture resistance. These polyester labels utilize 3M™ Adhesive P1212, which is a high clarity general purpose acrylic emulsion that exhibits good initial tack, excellent die cutting properties, minimal cold flow, and good UV resistance.

| Construction | Product Number | Facestock | Adhesive | Liner |
|-------------------------------|--|-----------------------------|----------------|---|
| | 3M™ Indoor UL Recognized White Polyester Label Product FM122 | .002 in. White Polyester TC | P1212 Perm. 18 | 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 0.9 mil of adhesive on a polished stainless steel panel.

| | | |
|--|--|--|
| Peel Adhesion | 3.0 lbs./in. (616 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 | 3 hours | TLMI Method, 0.25 in. ² x 500g |
| Adhesive Coat Weight | 1.75 g/100 in. ² ± 10% | 3M Method E10MFP01 |
| Release Range 3M™ Label Products FM122 | 15 to 50 g/2 in. | TLMI Method, 180° removal, 300 in./min. |
| Service Temperature | -20°F to 302°F (-29°C to 150°C) | |
| Application Temperature | 40°F to 120°F (5°C to 49°C) | |
| Conformability | Semi-rigid – Label is suitable for flat or slightly curved surfaces. | |

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- 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.
 - UL recognized for indoor use files MH11410 and MH16411, CSA approved file 076836.
 - Liner for 3M™ Indoor UL Recognized White Polyester Label Product FM122 is designed for high-speed die cutting and matrix stripping. Not recommended for sheet on press applications.
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Printing

Gloss topcoat is designed to be printable with a variety of film inks and thermal transfer ribbons.

Application Ideas

Durable goods, nameplates, product ID labels.

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.

Technical Information

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ISO 9001

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



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Printed in U.S.A.
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