



Technical Data Sheet

3M™ Void Polyester Durable Label Material
7380



[Product Details](#)



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Product Description

3M™ Void Polyester Durable Label Materials are tamper-indicating stocks designed to provide a “void” message in the facestock when removal is attempted. This void polyester label utilizes 3M™ Adhesive 300 which offers adhesion to a variety of surfaces including low surface energy plastics.

Product Features

- UL Recognized files MH11410 and MH16411
- Designed to provide a “void” message in the facestock when removal is attempted.
- The compact format of the “void” message permits manufacture of small labels (1/2" x 1-1/4").
- 3M™ Adhesive 300, which bonds to a variety of substrates including high and low surface energy plastics.
- Durable polyester facestock withstands harsh environments.
- 55# densified kraft liner assures consistent die cutting.
- Dot-matrix impact printable with select ribbons.

Technical Information Note

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

Typical Physical Properties

Attribute Name	Value
Adhesive Type	300
Facestock	Matte White Void Polyester
Adhesive Coat Weight	1.21 — 1.49 g/100 in ²

Attribute Name	Value
Adhesive Thickness	0.025 mm (1 mil)
Facestock Thickness	0.058 mm (2.3 mil)
Liner	55# densified kraft
Liner Thickness	0.08 mm (3.2 mil)

Typical Performance Characteristics

Attribute Name	Value
Application Temperature	10 — 49 °C (50 — 120 °F)
Long Term Temperature Resistance	121 °C (250 °F) ¹
Minimum Long Term Temperature Resistance	-40 °C (-40 °F) ¹

¹ Long Term (day, weeks)

Attribute Name	Value
Note	Calipers are nominal values

Printing

Caution should be exercised to avoid covering the surface of the label with opaque graphics to the extent that the “void” message is hidden, and the effectiveness of the label or seal is lessened. Use recommended dot-matrix impact ribbons: CGL-79 from Mid-City Columbia, Ranger 288 from Herbert DeHinton

Converting

Die-Cutting:

The compact “void” message permits manufacture of labels as small as 1/2 in. x 11/4 in. (13 mm x 32 mm).

It is recommended that the user test for the presence of the “void” message on every roll of label seals as they process them, to insure the product quality and consistency. Which can be done by laminating a label seal to an untreated polyester film test surface. The label seal should be wiped down with a squeegee, allowed to dwell 10 minutes, and then removed to observe the presence and functions of the “void” message on both the facestock and the substrate. It is also recommended that the user test each lot of label seals on the actual application surface to assure the function of the “void” message.

Handling/Application Information

Application Examples

- Non-transferable labels for use on business forms.
- Tamper-indicating labels and seals for over-the-counter drugs and other packaging applications.

Application Techniques

The tamper-indicating mechanism (i.e. the “void” message both on the facestock and on the substrate) depends upon adequate adhesion of the label to the substrate. A sufficient bond may not develop on all surfaces due to low surface energy (e.g. PTFE), contaminated or textured surfaces. Therefore, it is important to determine the suitability of the product in the intended application by carefully pretesting. The primary function of the products is to effect a non-transferable (non-reusable) label seal by causing the “void” message to appear on the facestock when removal from the substrate is attempted. As a result of the primary function, a “void” message is also transferred to the substrate and can be removed by hand rubbing or by solvent wiping.

Our tamper-indicating product line is designed to indicate tampering by destructing when an attempt is made to remove the label. Since no tamper-indicating feature is 100% tamper proof, careful consideration must be taken when designing label seals. When the consequences of tampering could be severe, such as injury or loss of human life or significant monetary loss, these products are not recommended as the sole means of package or product tamper indication. In these instances, additional methods in combination with the labels should be considered so that the tamper-indicating features are commensurate with the requirements of the application.

Dispensing Equipment

As care should be taken not to disturb the tamper-indicating feature by pre-destructing the “void” message when manually removing the label from the liner, slowly remove the liner from the label at a 90° angle. It is recommended that the user test samples for each roll of label seals by laminating a representative label seal to the specific application surface to assure its function meets expectations. This test can be run after 10 minutes dwell

Industry Specifications

UL Recognized, File PGGU2.MH11410, Marking & Labeling System Materials - Component, ANSI/UL 969
UL Recognized, File PGJ12.MH16411, Printing Materials - Component, ANSI/UL 969

Storage and Shelf Life

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in a sealed plastic bag, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

Information

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ISO Statement

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

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