

3M™ Performance Label Materials for Medical and Pharmaceutical Markets



Proven Reliability



for vials, tubes,
devices, bags, equipment,
and more



Proven adhesives and facestocks...bringing it all together for reliable performance

Proven 3M™ Performance Label Materials build confidence into medical and pharmaceutical labeling solutions for bags, vials, syringes, bottles, tubes, and equipment.

With optimum combinations of 3M adhesives and facestocks, labels perform reliably in a variety of challenging conditions that include:

- Tight radiuses and small diameters
- Hard-to-stick LSE materials
- Flexible surfaces
- Harsh conditions of sterilization
- Extreme cryogenic temperatures
- Exposure to liquids
- Tampering

Bags for blood and other liquids

Post sterilization bag identity label meets FDA guidelines. Conformable facestock with strong adhesive stays in place for the service life of blood bags with no edge lift.



Bags

Product	Adhesive	Facestock	Liner
FPE0570N	P1650	4.0 mil White LD Polyethylene	1.5 Clear PET
FP035402	P1650	3.3 mil White Polyolefin	50# SC



Medical Attachment for diagnostics

Conformable product suitable for direct skin contact.

Medical Attachment

Product	Adhesive	Facestock	Liner
FV015501	P1500	3.0 mil Shear Flesh Vinyl	40# SC

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Tamper-indicating for security

Secure against tampering with materials that destruct or provide a message when removal is attempted.



Tamper-indicating

Product	Adhesive	Facestock	Liner
7866/7381	300	2.0 mil White VOID Polyester TC	55# DK
FMV02	P1410	2.0 mil Silver VOID Polyester TC	50# SC
FMV01202	P1410	2.0 mil Silver Triangle Indicating Polyethylene	50# SC
7110	320	40# Uncoated White Tamper Indicating Paper	43# DK
7011	320	32# Coated White Tamper Indicating Paper	43# DK
FPE004802	P1410	4.0 mil White Tamper Indicating Polyethylene	50# SC

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Devices and Equipment...throughout a hospital

Durable films for certification, product identity, nameplates



Informational and rating labels

Product identity

Tracking

Image Guided Surgery System
Courtesy of Compass International

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Vials, Tubes, Bottles, Syringes and other

3M products resist flagging on tight radius and small diameters



NOTE: The technical information and data on these pages should be considered a

Performance in even the toughest applications

Hospital, clinic, or laboratory

Complete, instruction and warning labels.



Warnings and directions

Medical/Laboratory Devices and Equipment

Product	Adhesive	Facestock	Liner
7871	350	2.0 mil White Polyester TC	55# DK
7231	P1425	2.0 mil White Polyester TC	50# SC
7246	350	2.2 mil Matte White Polyester TT3	White Glassine
7816	310	2.0 mil White Polyester TC	55# DK
76962	350	2.0 mil White Polyester TC	White Glassine

Sterilization and Cryogenics... extreme conditions performance



Sterilization

Products are designed to survive autoclave, ETO and gamma radiation sterilization methods.

Product	Adhesive	Facestock	Liner
7000	320	60# White High Gloss Paper	43# DK
7011	320	32# Coated White Tamper Indicating Paper	43# DK

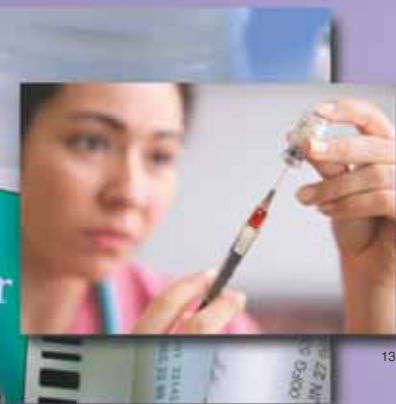
Cryogenics

3M products provide reliable performance through extreme conditions of freeze/thaw cycles.

Product	Adhesive	Facestock	Liner
7830/7864	400	1.0 mil White Polyester TC	55# DK
7831	400	1.0 mil Clear Polyester TC	55# DK
FP016102	F2201	2.3 mil White Polypropylene TC	50# SC

For curved surfaces

Small diameter products.



Vials, Tubes, and Bottles

Product	Adhesive	Facestock	Liner
7000	320	60# White High Gloss Paper	43# DK
7000FL	320	60# White High Gloss Paper	1.5 PET
7740	320	1.5 mil Polyester TC	55# DK
FP017802	P1410	2.8 mil White Polypropylene EDP	50# SC

Syringes

Product	Adhesive	Facestock	Liner
FP108	P1410	2.0 mil Clear Polypropylene TC	44# PK

Adhesive Selection

300 High Strength Acrylic – Excellent initial adhesion to low surface energy substrates.

310 High Precision Acrylic – Resists oozing and provides high bond strength on a variety of high surface energy surfaces.

320 High Tenacity Acrylic – Bonds well to high surface energy and low surface energy substrates. Adheres well to curved surfaces and resists flagging on small diameter vials. Designed to survive autoclaving, ETO and gamma sterilization processes.

350 High-holding Acrylic – Most universal adhesive for many surfaces including powder coatings and LSE plastics; up to 350°F short term heat resistance; excellent solvent resistance.

400 Low Temperature Acrylic – Offers excellent cold temperature performance. Thin label profile provides good performance on small diameter packages.

P1410 Tackified Acrylic – Offers excellent adhesion to a wide variety of substrates, including polyolefins.

P1425 High Shear Acrylic – Offers excellent adhesion to a wide variety of substrates, including polyolefins.

P1500 Medical Acrylic – Demonstrates excellent peel and tack performance and is designed for use in the medical attachment market. Suitable for direct skin contact.

P1650 High Performance Acrylic – Designed for use in demanding environments and conforms to FDA requirements including leachability of the adhesive through the bag material.

F2201 Freezer Acrylic – Excellent adhesion to a variety of substrates. Can be applied at temperatures as low as 0°F (18°C).

Facestock Selection

High Gloss Paper – Facestock provides good destructibility and conformability.

Semi-rigid Vinyl EDP – Conformable facestock offers durability and moisture resistance.

Polypropylene EDP – Bright white facestock offers high opacity. Film stiffness allows for easy die cutting and dispensing for automatic applications.

Shear Flesh Vinyl – Soft conformable medical grade vinyl that offers durability and moisture resistance.

Polyester – Rigid film for high tensile strength; resistance to chemicals and moisture; service from -40°F to 302°F.

LD Polyethylene – Soft conformable, low density film with excellent moisture resistance, high tear resistance and elongation.

Polyolefin – Matte white facestock offers excellent durability, conformability and moisture resistance.

Tamper-indicating Paper – Facestock for good destructibility on a variety of surfaces. Survives autoclaving, ETO and gamma sterilization processes.

Liner Selection

Densified Kraft, Super Calendered Kraft, Glassine, and Polyester liners are available for productivity over a range of converting and dispensing speeds.



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

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