

Parafilm M® – The versatile moisture-barrier film for the health care, pharmaceutical and research industries

Parafilm M is a semi-transparent, flexible, thermoplastic, highly waterproof sheet material. It's practically colorless, odorless, tasteless and approximately .005" thick. It is highly insensitive to moisture vapor, moisture loss and moisture absorption, yet gas-permeable to make it ideal for working with culture media.

These unique properties make it ideal for many laboratory and research applications.

Laboratories

Parafilm M molds and seals itself tightly, keeping moisture loss to a minimum. It offers excellent protection for the contents of broth tubes, flasks, culture tubes, Petri dishes and numerous instruments and objects with irregular surfaces.

Hospitals

Parafilm M makes a superior overwrap for wet bandages and cover in drainage cases, and is ideal when used as a tray and shelf liner to prevent slippage and breakage of bottles, containers and instruments.



PARAFILM M® All-Purpose Moisture-Barrier Film

**FLEXIBLE
MOLDABLE
SELF-SEALING
ODORLESS**

CALIBRATED FOR EASY CUTTING

**THERMOPLASTIC
SEMI-TRANSPARENT
COLORLESS**

To order Parafilm M, contact your nearest scientific supply house.

Alcan Packaging

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PARAFILM M®

The All-Purpose Laboratory Film

Permeability

Oxygen: (ASTM 1927-98)
150 cc/m² d at 23°C and 50% RH
Carbon Dioxide: (Modulated IR Method)
1200 cc/m² d at 23°C and 0% RH
Water Vapor: (ASTM F1249-01)
Flat: 1g/m² d at 38°C and 90% RH
Creased: Same as flat.

Note: Because of this low water vapor permeability and the insensitivity of this type of material to moisture vapor, it is unlikely that differences in relative humidity (R.H.) would make any essential difference in the oxygen permeability.

Effects of Common Reagents

Hydrochloric Acid conc. (12N) dil. (5N)
No apparent effect in 24 hours
Sulphuric Acid conc. (36N) dil. (5N)
No apparent effect in 24 hours
Nitric Acid conc. (16N) dil. (5N)
No apparent effect in 24 hours
Sodium Hydroxide conc. (22%)
No apparent effect in 24 hours
Ammonium Hydroxide conc. (28% NH₃)
No apparent effect in 24 hours
Potassium Permanganate:
5%: No apparent effect except permanent dark brown coloration in 18 hours.
0.1%: Same as 5% except slightly less color
Iodine solution, 0.1N:
No effect except staining brown in 18 hours
Salt (NaCl) solution 20%:
No apparent effect in 24 hours
Not recommended for use with chlorinated, non-polar aliphatic and aromatic solvents
Ethyl Alcohol, 95%:
No apparent effect except some face whitening in 24 hours
Isopropyl alcohol, 99%
No apparent effect in 24 hours
Film becomes soft and sticky at about 130°F to 150°F (68°C.)

Parafilm M® Available in Four Sizes

PM996

4" x 125'

Time-saving, medium sized sheets and strips ideal for covering bandages in drainage cases, larger beakers and tubes. Great for wrapping and protecting culture media.



PM999

4" x 250'

An economy-sized, double length roll.



PM992

2" x 250'

For tubes and small dishes.



PM998

20" x 50'

Ideal where larger sheets are needed for covering wet bandages in drainage cases, over-wrapping bandages, covering irregular surfaces as well as larger flasks, beakers and culture dishes. Works great as a tray and medicine shelf liner, preventing bottles, containers and instruments from slipping and breaking.



Handy Dispenser

Ask your local distributor about easy and safe-to-use Parafilm M roll dispensers.

