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**P7543** ▶ **Sigma-Aldrich®**

# PARAFILM® M

★★★★★ (0)

roll size 2 in. × 250 ft



[All Photos \(1\)](#)

NACRES:  
NB.35

## Select an Option

SKU

P7543-1EA



1 EA

**SGD 138.00**



Available to ship on March 21, 2022 - **From**

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1

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## RECOMMENDED PRODUCTS



Sigma-Aldrich  
**P7793**  
**PARAFILM® M**  
roll size 4 in. x 125 ft

[View Price and Availability](#)

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## PROPERTIES

material  
film (thermoplastic)

sterility  
non-sterile

packaging  
pack of 1 ea

manufacturer/tradename  
Parafilm PM992

parameter  
-45-+50 °C temp. range

W x L  
5 cm x 76 m

roll size  
2 in. x 250 ft

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### Related Categories

[Sealing Films, Foils & Tapes](#)

## DESCRIPTION

### General description

PARAFILM stretches up to 200% and clings even around irregular shapes and surfaces. The sealing film is free of plasticizers and consists primarily of polyolefins and paraffin waxes. PARAFILM M is resistant up to 48 hours against many polar substances, eg saline solutions, inorganic acids and alkaline solutions.

Protect the integrity of research applications with a tight moisture-barrier that holds a strong seal and doesn't release from glassware, despite off-gassing

Reduce the risk of tampered data with a covering that is odorless, colorless and semi-transparent

Prevents moisture and volume loss due to material composition and tight seal

Flexible and self-sealing material allows it to cling around irregular shapes and surfaces

Stretches more than 200% of original length

Resistant up to 48 hours against many polar substances such as saline solutions, inorganic acids and alkaline solutions

### Permeability

Oxygen: (ASTM 1927-98) 150 cc/m<sup>2</sup> d at 23°C and 50% RH

Carbon Dioxide: (Modulated IR Method) 1200 cc/m<sup>2</sup> d at 23°C and 0% RH

Water Vapor: (ASTM F1249-01)

Flat: 1 g/m<sup>2</sup> d at 38°C and 90% RH

Creased: 1 g/m<sup>2</sup> d at 38°C and 90% RH

### Effects of Common Reagents

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

Ethyl Alcohol (95%)

No apparent effect except some face whitening in 24 hours

No apparent effect in 24 hours:

Hydrochloric Acid conc. (12N) dil. (5N)

Sulphuric Acid conc. (36N) dil. (5N)

Nitric Acid conc. (16N) dil. (5N)

Sodium Hydroxide conc. (22%)

Ammonium Hydroxide conc. (28% NH<sub>3</sub>)

Salt (NaCl) solution (20%)

Isopropyl Alcohol (99%)

Not recommended for use with chlorinated, non-polar aliphatic and aromatic solvents

Film becomes soft and sticky at about 130° to 150°F (54° to 66°C)