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Product Information

Parafilm® M

Product Numbers **P 7793, P 7543, P 7668, and P 6543**

Product Description

Gas Permeability (permeability rates corrected to 760 mm pressure):
Oxygen: 150 cc/m²/24 hours
Carbon dioxide: 400 cc/m²/24 hours (both at about 22.8 °C, 50% relative humidity (R.H.))
Water vapor: 0.88 g/m²/24 hours (37.8 °C and 90% R.H. vs desiccant).

Size:

P 7543	2 in x 250 ft
P 7793	4 in x 125 ft
P 7668	4 in x 250 ft
P 6543	20 in x 50 ft

Parafilm M is a semi-transparent, flexible, thermoplastic, and highly waterproof sheet material. It is practically colorless, odorless and is approximately 0.13 mm in thickness. It is permeable to gases, but highly insensitive to moisture loss and moisture absorption, thus making it ideal for protecting the contents of broth tubes, flasks, culture tubes, and petri dishes. The permeability of either oxygen or carbon dioxide should not be affected at different relative humidities because of the low water permeability and insensitivity of Parafilm to moisture vapor.

Chemical Reactivity:

No apparent effects in 24 hours:
Hydrochloric acid (12 M)
Nitric acid (16 M)
Sulfuric acid (18 M)
Ammonium hydroxide (28% NH₃)
Sodium hydroxide (22%)
Sodium chloride solution (20%)
Isopropanol alcohol (99%)
Ethanol (95%), no apparent effect except some face whitening in 24 hours
Potassium permanganate (5%), no apparent effect, except for some permanent dark brown coloration after 18 hours; 0.1%, same as 5% except slightly less color resulted
Iodine solution (0.1 N), no effect except brown staining in 18 hours.
Carbon tetrachloride, chloroform and ethyl ether: dissolved film on contact.

Temperature effect: the film becomes soft and sticky at about 54-66 °C.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Parafilm is a registered trademark of Pecheney Plastics Packaging.

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