PARAFILM® M Sealing film

Practical features

Elastic PARAFILM® M sealing film always fits, whether for beakers or Erlenmeyer flasks, weighing bottles or graduated cylinders. It protects your samples from contamination or evaporation, and prevents leakage from overturned containers. PARAFILM® M can be stretched by up to 200%, and be sealed to irregular shapes and surfaces.

Material

PARAFILM® M is free of plasticizers, and consists largely of polyolefins and paraffin waxes. If PARAFILM® M should come into contact with food, the guidelines of the locally valid food handling laws should be followed. PARAFILM® M complies with the general requirements of the FDA (Food and Drug Administration) for use under 55 °C, as well as satisfying GMP (Good Manufacturing Practice).

Physical properties

Toxicity: non-toxic
Melting point: 60 °C
Flash point: 301 °C
Temperature range (continuous use):
-45 °C to +50 °C
Stretching ability: 200%
Elongation at tear: 300%

Gas permeability in 24 hours at 23 °C with 50% relative humidity:
O_2 (oxygen): ≤ 350 cm^3/m^2
N_2 (nitrogen): ≤ 105 cm^3/m^2
CO_2 (carbon dioxide): ≤ 1100 cm^3/m^2

Water vapor permeability in 24 hours at 37 °C and 90% relative humidity: 0.8 g/m^2

Effects of 48 hours of exposure at 23 °C

Acids:	
Hydrochloric acid 36.5%	resistant
Sulphuric acid 98%	resistant
Nitric acid 95%	resistant*
Alkaline solutions:	
Sodium hydroxide 22%	resistant
Ammonia 28%	resistant
Saline solutions:	
Sodium chloride 20%	resistant
Potass. permanganate 5%	resistant*
Iodine solution 0.1 mol/l	resistant*
Organic solvents:	
Methanol	resistant
Ethanol	resistant
Isopropanol	resistant
Diethylether	not resistant
Chloroform	not resistant
Carbon tetrachloride	not resistant
Benzene	not resistant
Toluene	not resistant

* Brown coloration

Chemical resistance

PARAFILM® M is resistant up to 48 hours against many polar substances, e.g., saline solutions, inorganic acids and alkaline solutions. After this period embrittlement may occur.

Storability

PARAFILM® M can be stored for at least 3 years without loss of quality under storage condition between 7 °C and 32 °C and a relative humidity of 50%.







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Width mm	Lenth m	Pack of	Cat. No.
50	75	24	7016 11
100	38	12	7016 05
100	75	12	7016 06
500	15	6	7015 01

PARAFILM® M Cutter

The handy PARAFILM® M Cutter is convenient for clean storage and cutting of PARAFILM® M sealing film.
Suitable for 50 mm and 100 mm wide rolls.
Pack of 1.

Cat. No.	7016 50







