

Seals tightly, quickly and universally:  
PARAFILM® M Sealing Film.



# PARAFILM® M

F I R S T C L A S S · B R A N D

**The practical sealing film for  
your lab.**

Whether it's a beaker or an Erlenmeyer flask, a weighing bottle or a graduated cylinder – the stretchable PARAFILM® M Sealing Film always fits. It protects the sample against contamination or evaporation and prevents spillage from upset vessels. PARAFILM® M – an indispensable accessory for your lab.



# PARAFILM® M

## Useful features

Simply cut PARAFILM® M off the roll and seal the vessel. After use, discard in an appropriate way. PARAFILM® M always fits. It stretches up to 200% and clings even around irregular shapes and surfaces. Even a vessel falling over need not be a disaster. Provided it has been carefully sealed with PARAFILM® M, the contents will not spill out. (Vapor pressure from volatile substances may lift PARAFILM® M off the edge of the vessel.)



## Physiological properties

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.

## Stretches to fit! PARAFILM® M Sealing Film

### 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%.

#### Effects of 48 hours exposure at 23 °C:

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

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).

# Cutter

## PARAFILM<sup>®</sup> M Cutter

The handy PARAFILM<sup>®</sup> M Cutter is ideal for the neat and safe cutting of PARAFILM<sup>®</sup> M sealing film, and for its clean storage.



## Very easy handling

The sturdy case of light-grey plastic stands safely on non-slip rubber pads. Two large turning wheels and smooth-running cutting blade make handling easy.

## Comfortable and safe. PARAFILM<sup>®</sup> M Cutter



### 1 Inserting

Adjust the fitting bracket to the roll width (10 cm or 5 cm), and insert the PARAFILM<sup>®</sup> M carton with its flap folded over.



### 2 Dispensing

Turn the large wheels backwards until the desired length of PARAFILM<sup>®</sup> M appears.



### 3 Cutting

Cut off the adjusted length by moving the blade carriage across.



### 4 Taking

Another turn of the wheels releases the cut length.

# Ordering Data

## Technical Information

### 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<sub>2</sub> (oxygen): ≤ 350 cm<sup>3</sup>/m<sup>2</sup>  
N<sub>2</sub> (nitrogen): ≤ 105 cm<sup>3</sup>/m<sup>2</sup>  
CO<sub>2</sub> (carbon dioxide): ≤ 1100 cm<sup>3</sup>/m<sup>2</sup>  
Water vapor permeability in 24 hours at 37 °C and 90% relative humidity: 0.8 g/m<sup>2</sup>



### PARAFIL<sup>®</sup> M Cutter

Suitable for 50 mm and 100 mm wide rolls.  
Dimensions L x W x H:  
215 x 165 x 155 mm.  
Pack of 1.

Cat. No.	7016 50
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### Storability

PARAFIL<sup>®</sup> 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%.

### PARAFIL<sup>®</sup> M Sealing Film

Width mm	Length 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

PARAFIL<sup>®</sup> M is available in four different sizes. The standard size is 100 mm wide and is supplied in rolls of 38 m or 75 m length.