

Paraffin Sealing Film

PakGent®

Guidelines For Use

No. : PGPSF20230101E



Paraffin sealing film is a polyolefins paraffin film with a paper backing produced. Paraffin sealing film is one of the most commonly used items in a lot of labs for sealing and protecting vessels. Paraffin sealing film is a colorless, moisture-proof film that molds to almost any surface.

The all-purpose laboratory paraffin sealing film covers and shields your products from moisture while simultaneously allowing gas permeability. This safeguards your products and quality by keeping moisture loss to a minimum and protecting the contents of your laboratory items with a flexible covering for seal beakers, flasks, tubes, petri dishes and more. This convenient, flexible and self-sealing product is an essential item in healthcare, pharmaceutical and research labs.

Features	Description
Material	Primarily composed of polyolefins and paraffin waxes offering good resistance against acids, alkalis and some organic solvents.
length * Width * Thickness	125µm*30mm*15000mm, 125µm*100mm*38000mm, 125µm*500mm*15000mm, 125µm*50mm*60000mm
Temperature Range	Recommended temperature : - 8 0 ~ 9 0 °C
Stretch Maximum length	Elasticity (25°C): 400%
sterility	non-sterile

Paraffin sealing film chemical resistance

The sealing film 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.

Effects of 48-hour exposure at 30°C, relative humidity 80%.

Medium		Alkalis	
Acids		Sodium hydroxide (NaOH) 22%	resistant
Hydrochloric acid (HCl) 36,5%	resistant	Ammonia (NH ₃) 28%	resistant
Sulfuric acid (H ₂ SO ₄) 98%	resistant	Saline solutions	
Nitric acid (HNO ₃) 95%	resistant	Sodium chloride (NaCl) 20%	resistant
Hydrogen peroxide (H ₂ O ₂) 30%	resistant	Potassium permanganate (KMnO ₄) 5%	resistant
		Iodine solution 0.1 mol/l	resistant
		Organic solvents	
		Methanol	resistant
		Ethanol	resistant
		Isopropanol	resistant

Easy to use

Simply take paraffin sealing film from the roll, remove the paper, and pull it over the area to be sealed while stretching the film uniformly.



Product selection

Part NO.	W x L	Pack
PSF10	100mm*38000mm	1roll/box, 12boxes/case
PSF03	30mm*15000mm	4rolls/box, 24boxes/case
PSF50	500mm*15000mm	1roll/box, 4boxes/case
PSF05	50mm*60000mm	1rolls/box, 24boxes/case

Caution: Use not recommended with acetone, diethyl ether or tetrachloride.

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