

Description

Low Protein Binding, Filtration Membrane

The Supor® membrane is a polyethersulfone (PES), low-protein-binding membrane used in filtration.

Major Advantages

- Excellent flow rates
- Lot-to-lot and within-lot consistency
- Low extractables, no external wetting agents
- Compatible with a variety of sealing methods
- Passes USP Class VI testing

Applications

Medical Applications

- Bacteria and particulate removal
- Syringe filtration

Industrial Applications

- Rinse and DI water
- Pharmaceuticals
- Beverage filtration

Specifications

Dimensions

Master roll: 10 in. x 500 ft.

Custom roll, sheet and disc sizes available. Please ask salesperson for additional information.

Packaging

Core: Cores are PVC 3.0 in. I.D. Packaging: For widths up to 9.0 in., shrink-wrap around outside of each roll.

For widths larger than 9.0 in., polybag around outside of each roll.

Chemical Compatibility

Acids

- Acetic acid - glacial: Resistant
- Acetic acid - 10%: Resistant
- Acetic acid - 30%: Resistant
- Acetic acid - 90%: Resistant
- Hydrochloric acid - conc. (35%): Resistant



- Hydrochloric acid - 6N (20%): Resistant
- Hydrochloric acid - 1N (3.3%): Resistant

Alcohols

- Amyl alcohol: Not Resistant
- Benzyl alcohol: Not Resistant
- Butanol: Resistant
- Ethanol: Resistant
- Isopropanol: Resistant
- Methanol: Resistant
- Nitric acid - conc. (67%): Not Resistant
- Nitric acid - 6N (27%): Insufficient Data
- Sulfuric acid - conc. (96%): Not Resistant
- Sulfuric acid - 6N (16%): Insufficient Data

Aromatic Hydrocarbons

- Benzene: Resistant
- Toluene: Resistant
- Xylene: Resistant

Bases

- Ammonium hydroxide - 3N (5.7%): Resistant
- Ammonium hydroxide - 6N (11.4%): Resistant

- Potassium hydroxide - 3N (15%): Resistant
- Sodium hydroxide - 3N (11%): Resistant
- Sodium hydroxide - 6N (22%): Resistant

Esters

- Amyl acetate: Resistant
- Butyl acetate: Resistant
- Cellosolve acetate: Resistant
- Ethyl acetate: Not Resistant
- Isopropyl acetate: Resistant
- Methyl acetate: Not Resistant

Ethers

- Ethyl ether: Resistant
- Tetrahydrofuran: Not Resistant
- Tetrahydrofuran/water (50/50 v/v): Insufficient Data

Glycols

- Ethylene glycol: Resistant
- Glycerol: Resistant
- Propylene glycol: Resistant

Halogenated Hydrocarbons

- Carbon tetrachloride: Resistant
- Chloroform: Not Resistant
- Ethylene dichloride: Not Resistant
- Methylene chloride: Not Resistant
- Tetrachloroethylene: Resistant

Ketones

- Acetone: Not Resistant
- Cyclohexanone: Not Resistant
- Methyl ethyl ketone: Not Resistant
- Methyl isobutyl ketone: Resistant

Miscellaneous

- Acetonitrile: Resistant
- Dimethyl formamide: Not Resistant
- Dimethyl sulfoxide: Not Resistant
- Formaldehyde - 37%: Resistant
- Formaldehyde - 4%: Resistant
- Hexane - dry: Limited Resistance
- Kerosene: Resistant
- Pyridine: Not Resistant
- 18 Megohn water: Resistant

Oils

- Cottonseed: Resistant
- Peanut: Resistant

Sealing Method Compatibility

ABS

- Adhesive Sealing: Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Compatible
- Ultrasonic: Compatible

Acrylic

- Adhesive Sealing: Compatible
- Heated Dies: Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Compatible
- Ultrasonic: Not Compatible Performance

EVA

- Adhesive Sealing: Not Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Compatible
- Ultrasonic: Compatible

Latex

- Adhesive Sealing: Compatible
- Heated Dies: Not Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Not Compatible

Natural Rubber

- Adhesive Sealing: Compatible
- Heated Dies: Not Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Not Compatible

Poly Carbonate

- Adhesive Sealing: Compatible
- Heated Dies: Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Compatible
- Ultrasonic: Compatible

Polyester (PBT)

- Adhesive Sealing: Compatible
- Heated Dies: Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Compatible

Polyethylene

- Adhesive Sealing: Not Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Not Compatible

Polypropylene

- Adhesive Sealing: Not Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Compatible

PVC

- Adhesive Sealing: Not Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Compatible
- Ultrasonic: Not Compatible

Silicone

- Adhesive Sealing: Compatible
- Heated Dies: Not Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Not Compatible

- Radio Frequency: Not Compatible
- Ultrasonic: Not Compatible

Styrene

- Adhesive Sealing: Not Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Compatible

Synthetic Rubber

- Adhesive Sealing: Compatible
- Heated Dies: Not Compatible
- Insert Molding: Not Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Not Compatible

Urethane (thermoplastic)

- Adhesive Sealing: Compatible
- Heated Dies: Compatible
- Insert Molding: Compatible
- Mechanical Seal: Compatible
- Radio Frequency: Not Compatible
- Ultrasonic: Compatible

Performance

Pore Size* (μm)	Thickness (mils)	KL Bubble Point (psi)
0.1 μm	4.0-6.2	37.4-52.0 (60% IPA/40% H ₂ O)
0.2 μm	5.1-6.4	53.0-69.0
0.45 μm	4.5-6.5	32.6-51.0
0.8 μm	4.5-6.5	15.0-31.0
1.2 μm	4.0-6.0	9.6-17.5
5.0 μm	3.5-7.0	2.0-10.0

Sterilization: Autoclavable, gamma, and EtO.

Biosafety: Complies with USP Class VI-121°C plastic test for biosafety, cytotoxicity, and hemolysis testing.

* Other pore sizes are available, please speak with your sales representative.

Ordering Information

Part Number	Pore Size	Dimensions
SUP01500	0.1 μm	10 in. x 500ft. master roll
SUP02500	0.2 μm	10 in. x 500ft. master roll
SUP45500	0.45 μm	10 in. x 500ft. master roll
SUP08500	0.8 μm	10 in. x 500ft. master roll
SUP12500	1.2 μm	10 in. x 500ft. master roll

For more information and to order this product, please contact the Pall Industrial Materials representative for your region, or email us at industrialmaterials@pall.com.



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