

Chemical Compatibility Chart will help you choose the right type of membrane for your application.

<p><u>Acids</u></p> <ol style="list-style-type: none"> 1. Acetic acid - glacial: Resistant 2. Acetic acid - 10%: Resistant 3. Acetic acid - 30%: Resistant 4. Acetic acid - 90%: Resistant 5. Hydrochloric acid - conc. (35%): Resistant 6. Hydrochloric acid - 6N (20%): Resistant 7. Hydrochloric acid - 1N (3.3%): Resistant 8. Nitric acid - conc. (67%): Not Resistant 9. Nitric acid - 6N (27%): Insufficient Data 10. Sulfuric acid - conc. (96%): Not Resistant 11. Sulfuric acid - 6N (16%): Insufficient Data 	<p><u>Alcohols</u></p> <ol style="list-style-type: none"> 1. Amyl alcohol: Not Resistant 2. Benzyl alcohol: Not Resistant 3. Butanol: Resistant 4. Ethanol: Resistant 5. Isopropanol: Resistant 6. Methanol: Resistant <p><u>Bases</u></p> <ol style="list-style-type: none"> 1. Ammonium hydroxide - 3N (5.7%): Resistant 2. Ammonium hydroxide - 6N (11.4%): Resistant 3. Potassium hydroxide - 3N (15%): Resistant 4. Sodium hydroxide - 3N (11%): Resistant 5. Sodium hydroxide - 6N (22%): Resistant
<p><u>Aromatic Hydrocarbons</u></p> <ol style="list-style-type: none"> 1. Benzene: Resistant 2. Toluene: Resistant 3. Xylene: Resistant 	<p><u>Ethers</u></p> <ol style="list-style-type: none"> 1. Ethyl ether: Resistant 2. Tetrahydrofuran: Not Resistant 3. Tetrahydrofuran/water (50/50 v/v): Insufficient Data
<p><u>Esters</u></p> <ol style="list-style-type: none"> 1. Amyl acetate: Resistant 2. Butyl acetate: Resistant 3. Cellosolve acetate: Resistant 4. Ethyl acetate: Not Resistant 5. Isopropyl acetate: Resistant 6. Methyl acetate: Not Resistant 	<p><u>Halogenated Hydrocarbons</u></p> <ol style="list-style-type: none"> 1. Carbon tetrachloride: Resistant 2. Chloroform: Not Resistant 3. Ethylene dichloride: Not Resistant 4. Methylene chloride: Not Resistant 5. Tetrachloroethylene: Resistant

<p><u>Glycols</u></p> <ol style="list-style-type: none"> 1. Ethylene glycol: Resistant 2. Glycerol: Resistant 3. Propylene glycol: Resistant <p><u>Ketones</u></p> <ol style="list-style-type: none"> 1. Acetone: Not Resistant 2. Cyclohexanone: Not Resistant 3. Methyl ethyl ketone: Not Resistant 4. Methyl isobutyl ketone: Resistant 	<p><u>Miscellaneous</u></p> <ol style="list-style-type: none"> 1. Acetonitrile: Resistant 2. Dimethyl formamide: Not Resistant 3. Dimethyl sulfoxide: Not Resistant 4. Formaldehyde - 37%: Resistant 5. Formaldehyde - 4%: Resistant 6. Hexane - dry: Limited Resistance 7. Kerosene: Resistant 8. Pyridine: Not Resistant 9. 18 Megohn water: Resistant
<p><u>Oils</u></p> <ol style="list-style-type: none"> 1. Cottonseed: Resistant 2. Peanut: Resistant 	

Sealing Method Compatibility

<p><u>ABS</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Compatible 6. Ultrasonic: Compatible 	<p><u>Acrylic</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Compatible 6. Ultrasonic: Not Compatible
<p><u>EVA</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Not Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Compatible 6. Ultrasonic: Compatible 	<p><u>Latex</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Not Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Not Compatible

<p><u>Natural Rubber</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Not Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Not Compatible 	<p><u>Poly Carbonate</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Compatible 6. Ultrasonic: Compatible
<p><u>Polyester (PBT)</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Compatible 	<p><u>Polyethylene</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Not Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Not Compatible
<p><u>Polypropylene</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Not Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Compatible 	<p><u>PVC</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Not Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Compatible 6. Ultrasonic: Not Compatible
<p><u>Silicone</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Compatible 2. Heated Dies: Not Compatible 3. Insert Molding: Not Compatible 4. Mechanical Seal: Not Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Not Compatible 	<p><u>Styrene</u></p> <ol style="list-style-type: none"> 1. Adhesive Sealing: Not Compatible 2. Heated Dies: Compatible 3. Insert Molding: Compatible 4. Mechanical Seal: Compatible 5. Radio Frequency: Not Compatible 6. Ultrasonic: Compatible

Synthetic Rubber

1. Adhesive Sealing: Compatible
2. Heated Dies: Not Compatible
3. Insert Molding: Not Compatible
4. Mechanical Seal: Compatible
5. Radio Frequency: Not Compatible
6. Ultrasonic: Not Compatible

Urethane (thermoplastic)

1. Adhesive Sealing: Compatible
2. Heated Dies: Compatible
3. Insert Molding: Compatible
4. Mechanical Seal: Compatible
5. Radio Frequency: Not Compatible
6. Ultrasonic: Compatible