

**Product Description**

SSP-M823 is our most permeable membrane. For many common gases, SSP-M823 is 30 times more permeable than non-silicone stable polymers. This polydimethylsiloxane (PDMS) membrane is supplied as a sheet or continuous roll with a thin release layer. SSP-M823 is available from .003”to .040” thick. We can assist customers to produce and manufacture custom thin film parts that meet your specific requirements. SSP-M823 can be combined with many other materials resulting in a composite appropriate for your specific application.

DATA	TYPICAL VALUES
Shore A	50
Tensile Elongation	1300 psi
Elongation (400 min)	570%
Specific Gravity	1.12 – 1.16
Tear B	200 psi
Appearance	Translucent

Gas Permeability Rates*		APPLICATIONS	Membrane Thicknesses	
Oxygen	50	Gas Analysis	0.003”	0.004”
Carbon Dioxide	270	Gas Detection	0.006”	0.008”
Nitrogen	25	Gas Enrichment	0.010”	0.012”
Hydrogen	55	Gas Separation	0.014”	0.017”
		Cell Growth Support	0.024”	0.040”

\*In barrers  $10^{-9}(\text{cc gas(RTP)cm})/(\text{sec cm}^2\text{cmHg } \Delta P)$

Custom thicknesses are available upon request. Minimum order may apply.

**HANDLING & SAFETY**

MSDS information is available on request.

For more information visit [www.sspinc.com](http://www.sspinc.com). To order call (518) 885-8826/ or Fax (518) 885-4682.

**Specialty Silicone Products, Inc.**

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