



## TECHNICAL DATA SHEET

### Silicon Rubber Sheeting

Properties	Test Method	Value FPS	Test Method	Value (Metric)
Density	ASTM D297	1.20lb/ft <sup>3</sup>	DIN 53508	1.2 g/cm <sup>3</sup>
Hardness	ASTM D2240	60 ± 5 Shore A	DIN 53505	60 ± 5 Shore A
Tensile Strength (Min)	ASTM D412	855 PSI	DIN 53504	60 kg/cm <sup>2</sup>
Elongation @ Break (Min)	ASTM D412	250%	DIN 53504	250%
Abrasion Resistance (Max)	ASTM D5963	N/A	DIN 53516	N/A
Tear Resistance (Angular, Min)	ASTM D624	140 lbs/inch	DIN 53515	25 kg/cm
Change in Properties(after heat ageing for 72 hrs/100°C)	ASTM D573			
- Hardness		<b>+ 2pts(Max)</b>		<b>+ 2pts(Max)</b>
- Tensile Strength		+ 5 / - 5%		+ 5 / - 5%
- Elongation @ Break		+ 5 / - 5%		+ 5 / - 5%
Volume Swell (after 72 hrs/70°C)	ASTM D471			
- ASTM Oil No.1		<i>Not Recommended</i>		<i>Not Recommended</i>
- ASTM Oil No.2		<i>Not Recommended</i>		<i>Not Recommended</i>
- ASTM Oil No.3		<i>Not Recommended</i>		<i>Not Recommended</i>
Chemical Resistance	ASTM D1149			
- Ozone		Excellent		Excellent
- Dilute Acids and Bases		Excellent		Excellent
- Concentrated Acid and Bases		Excellent		Excellent
- Oils		Good		Good
- Solvents		Fair		Fair
Temperature Range		- 70 to + 250 ° C		- 70 to + 250 ° C

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