

# Silicone Rubber Sheeting

## Technical Data Sheet



Properties	Test Method	Value (FPS)	Test Method	Value (Metric)
Density	ASTM D297	1.20 lb/ft <sup>3</sup>	DIN 53508	1.20 g/cm <sup>3</sup>
Tear Resistance (Angular, Min)	ASTM D624	140 lbs/inch	DIN 53515	25 kg/cm
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
Compression Set (70°C/24 hrs/25% compression) (Max)	ASTM D395 Method B	30%	DIN 53517	30%
Change in Properties (after heat ageing for 72 hrs/100°C)	ASTM D573			
- Hardness		+ 2 pts (Max)		+ 2 pts (Max)
- Tensile Strength		+ 5 / -5 %		+ 5 / -5 %
- Elongation @ Break		+ 5 / -5 %		+ 5 / -5 %
Volume Swell (after 72 hrs/70°C)	ASTM D 471			
- ASTM Oil No. 1		Not Recommended		Not Recommended
- ASTM Oil No. 2		Not Recommended		Not Recommended
- ASTM Oil No. 3		Not Recommended		Not Recommended
Chemical Resistance				
- Ozone	ASTM D1149	Excellent		Excellent
- Dilute Acids and Bases		Excellent		Excellent
- Concentrated Acids and Bases		Excellent		Excellent
- Oils		Good		Good
- Solvents		Fair		Fair
Temperature Range		-70 to + 250°C		-70 to + 250°C