



Silicone Rubber Sheet

Properties	Test Method	Values (FPS)	Test Method	Values (Metric)
Specific Gravity	DIN 53508	1.2 ± 0.05	ASTM D297	1.2 ± 0.05
Hardness	DIN 53505	60 ± 5 SH A	ASTM D2240	60 ± 5 SH A
Tensile Strength (Min)	DIN 53504	853 PSI	ASTM D412	60kg/cm²
Elongation at Break (Min)	DIN 53504	250%	ASTM D412	250%
Compression Set (70°C / 24hrs / 25% set) (Max)	DIN ISO 815-1	40	ASTM D395 B	40%
Tear Resistance (Angular) (Min)	DIN 53515	112 lbs/inch	ASTM D624	20kg/cm
Temperature Range	-90°C to 200°C(White & Red) -60°C to +230°C(R.Oxide) -60°C to 225°C(Trans & Blue)			
Change in Properties				
Heat Ageing (72hrs @ 100°C):				
- Hardness (PTS)	-	+3 Max	ASTM D573	+3 Max
- Tensile Strength (%)	-	±5	ASTM D573	±5
- Elongation at Break (%)	-	±5	ASTM D573	±5
Volume Swell (72hrs @ 70°C):				
- IRM Oil No.1	-	+5%	ASTM D471	+5%
- IRM Oil No.2	-	+7%	ASTM D471	+7%
- IRM Oil No.3	-	+25%	ASTM D471	+25%
Chemical Resistance				
Ozone	-	Excellent	ASTM D 1149	Excellent
Dilute Acids & Bases	-	Excellent	ASTM D 1149	Excellent
Concentrated Acids & Bases	-	Excellent	ASTM D 1149	Excellent
Oils	-	Good	ASTM D 1149	Good
Solvents	-	Fair	ASTM D 1149	Fair

