

# IPOTEC

## *Innovation in Polymer Technology*

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### **Silicone Rubber Sheet – Physical Properties**

Property	Typical Value				Test Method
	SRA40	SRA50	SRA60	SRA70	
Durometer, ShA	40	50	60	70	ASTM D2240
Tensile Strength, psi (MPa)	850 (5.9)	850 (5.9)	900 (6.2)	850 (5.9)	ASTM D412
Tear Strength, ppi (N/mm)	120 (21.0)	120 (21.0)	120 (21.0)	120 (21.0)	ASTM D624B
Elongation (%)	400	400	400	400	ASTM D412
Compression Set (%) 70 hrs / 150°C (302°F)	25	25	25	25	ASTM D395B
Specific Gravity	1.25	1.45	1.45	1.50	

### **Thickness Tolerances (A-A-59588)**

#### Sheet Thickness, inch (mm)

0.010 – 0.039 (0.25 – 0.99)  
0.040 – 0.069 (1.00 – 1.74)  
0.070 – 0.134 (1.75 – 3.39)  
0.135 (3.40) and over

#### Tolerance, inch (mm)

+/- 0.007 (0.18)  
+/- 0.012 (0.30)  
+/- 0.017 (0.43)  
+/- 0.022 (0.56)

Unless specifically stated data relates to general-purpose materials. Some properties of special grades may differ. Information provided in this data sheet is indicative and is given in good faith but without warranty, express or implied. Whilst test results are deemed to be reliable, performance of these products is dependent on conditions of use and it is the responsibility of the user to determine suitability for a particular application.