

# Silicone 60 Rubber Sheet

Reglin Silicone 60 is a premium grade 60 Duro food grade and heat resistant silicone rubber sheet.

## FEATURES

Reglin Silicone 60 Rubber Sheet is made from a premium Silicone rubber compound and will display very high temperature resistance. It will maintain its flexibility and physical properties over a wide temperature range. Silicone has excellent ozone resistance and is UV stable making it weather resistant and suitable for outdoor use.

Reglin Silicone 60 Rubber Sheet is tested and conforms to FDA 21 CFR 177.2600 "Rubber articles intended for repeated use". This makes it suitable for contact with dry, aqueous and fatty foods as defined by the FDA.

Silicone 60 Rubber Sheet is fully post cured. It is carefully produced to comply with European Commission regulations EC 2023/2006 "good manufacturing practise for materials and articles intended to come into contact with food".

Silicone 60 Rubber Sheet has low thermal and electrical conductivity and high dielectric strength. This makes it suitable for critical electrical and electronic insulating and isolating applications.



## TECHNICAL INFORMATION

Polymer	Silicone	
Colour	Red, White, Translucent, Blue, Black	
Specific Gravity	1.20	ASTM D297
Hardness	60° ± 5° Shore A	ASTM D2240
Tensile Strength	7 MPa (min)	ASTM D412
Elongation @ Break	250% (min)	ASTM D412
Temperature Range	-60°C to +200°C (continuous) Silicone can also withstand higher intermittent temperatures.	
Compression Set 24hrs @ 150°C	30% (max)	ASTM D395B
Tear Strength	12.5 N/mm (min)	ASTM D624
Thermal Conductivity	0.24 W.m <sup>-1</sup> .K <sup>-1</sup>	
Brittle Point	-80°C (-112°F)	ASTM D746

## TECHNICAL INFORMATION (CONT.)

Limiting Oxygen Index	24.0%	BS 2782 Part 1
Dielectric Strength	23 kV.MM <sup>-1</sup>	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 <sup>-4</sup>	VDE 0303
Volume Resistivity	3x10 <sup>15</sup> Ω.com	VDE 0303
Radiation Resistance	>10 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	
Coefficient of Thermal Expansion	Between 300 and 250x10 <sup>-6</sup> cm/cm/°C (Typical range)	

## AVAILABLE SIZES

Reglin stock Silicone 60 Rubber Sheet in various colours in a range of standard thicknesses and roll sizes. It can also be supplied in cut lengths, strips, pads and a wide variety of custom cut shapes and gaskets to suit your application requirements.

PART NO.	SIZE - RED	WEIGHT (PER L/M)
SILRED0.3	0.3mm x 1200mm (10 L/M Rolls)	0.5 kgs
SILRED0.5	0.5mm x 1200mm (10 L/M Rolls)	0.7 kgs
SILRED01	1mm x 1200mm (10 L/M Rolls)	1.5 kgs
SILRED0.15	1.5mm x 1200mm (10 L/M Rolls)	2.2 kgs
SILRED02	2mm x 1200mm (10 L/M Rolls)	2.9 kgs
SILRED0.24	2.4mm x 1200mm (10 L/M Rolls)	3.5 kgs
SILRED03	3mm x 1200mm (10 L/M Rolls)	4.4 kgs
SILRED04	4mm x 1200mm (10 L/M Rolls)	5.8 kgs
SILRED05	5mm x 1200mm (10 L/M Rolls)	7.2 kgs
SILRED06	6mm x 1200mm (10 L/M Rolls)	8.7 kgs
SILRED08	8mm x 1200mm (5 L/M Rolls)	11.5 kgs
SILRED10	10mm x 1200mm (5 L/M Rolls)	14.4 kgs
SILRED12	12mm x 1200mm (5 L/M Rolls)	17.3 kgs

**AVAILABLE SIZES (CONT.)**

<b>PART NO.</b>	<b>SIZE - TRANSLUCENT</b>	<b>WEIGHT (PER L/M)</b>
SILTLO.5	0.5mm x 1200mm (10 L/M Rolls)	0.7 kgs
SILTLO1	1mm x 1200mm (10 L/M Rolls)	1.5 kgs
SILTLO1.5	1.5mm x 1200mm (10 L/M Rolls)	2.2 kgs
SILTLO2	2mm x 1200mm (10 L/M Rolls)	2.9 kgs
SILTLO3	3mm x 1200mm (10 L/M Rolls)	4.4 kgs
SILTLO5	5mm x 1200mm (10 L/M Rolls)	7.2 kgs
SILTLO6	6mm x 1200mm (10 L/M Rolls)	8.7 kgs
SILTLO8	8mm x 1200mm (5 L/M Rolls)	11.5 kgs
SILTLO10	10mm x 1200mm (5 L/M Rolls)	14.4 kgs
SILRED06	6mm x 1200mm (10 L/M Rolls)	8.7 kgs

<b>PART NO.</b>	<b>SIZE - WHITE</b>	<b>WEIGHT (PER L/M)</b>
SILWH01	1mm x 1200mm (10 L/M Rolls)	1.5 kgs
SILWH01.5	1.5mm x 1200mm (10 L/M Rolls)	2.2 kgs
SILWH02	2mm x 1200mm (10 L/M Rolls)	2.9 kgs
SILWH03	3mm x 1200mm (10 L/M Rolls)	4.4 kgs
SILWH05	5mm x 1200mm (10 L/M Rolls)	7.2 kgs
SILWH06	6mm x 1200mm (10 L/M Rolls)	8.7 kgs
SILWH08	8mm x 1200mm (5 L/M Rolls)	11.5 kgs
SILWH10	10mm x 1200mm (5 L/M Rolls)	14.4 kgs

<b>PART NO.</b>	<b>SIZE - BLACK</b>	<b>WEIGHT (PER L/M)</b>
SILBLA01	1mm x 1200mm (10 L/M Rolls)	1.5 kgs
SILBLA01.5	1.5mm x 1200mm (10 L/M Rolls)	2.2 kgs
SILBLA03	3mm x 1200mm (10 L/M Rolls)	4.4 kgs

## AVAILABLE SIZES (CONT.)

PART NO.	SIZE - BLUE	WEIGHT (PER L/M)
SILBLU01.5	1.5mm x 1200mm (10 L/M Rolls)	2.2 kgs
SILBLU03	3mm x 1200mm (10 L/M Rolls)	4.4 kgs
SILBLU06	6mm x 1200mm (10 L/M Rolls)	8.7 kgs

## STANDARDS

Reglin Silicone 60 Rubber Sheet conforms with the following standards.

As stated in FDA 21 CFR 177.2600. In accordance with good manufacturing practise finished rubber articles intended for repeated use in contact with food shall be thoroughly cleansed prior to their first use in contact with food.

