

# Technical Data Sheet

## Silicone 60 Rubber Sheet

**Features:** Shuk Silicone 60 Rubber is a premium grade, non-toxic and inert 60 Duro Silicone Rubber sheet, which has very high temperature resistance and is completely UV stable, making it highly resistant to ozone effects and extreme weather conditions. Silicone rubber has good physical properties and will maintain its flexibility over a wide temperature range.

Shuk Silicone 60 Rubber Sheet is post cured, FDA compliant per 21 CFR 177.2600, making it approved for repeated and long-term contact with food and has WRAS approval, making it suitable for sensitive and critical high temperature sealing and protection applications.

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

**Applications:** Silicone 60 Rubber Sheet has been designed primarily for use as a flexible strip, pad, lining or gasket and is mainly used for Sealing, Insulating, Isolating and Protecting, steel or other surfaces in sensitive and critical high temperature applications. Its properties make it suitable for use in a wide range of applications including:

- Flange gaskets on pipes and tanks
- Electrical and lighting fixture seals
- Lining of pipes and vessels
- Transfer and joining sleeves
- Weatherproof flashing
- Thermal and electrical insulation
- Insulating strip
- Isolating barrier

**Dimensions:**

GMSIL01.5W	1.5mm Thick
GMSIL02W	2mm Thick
GMSIL03W	3mm Thick
GMSIL05W	4.5mm Thick
GMSIL06W	6mm Thick— 1200mm Wide
GMSIL10W	9.5mm Thick
GMSIL12W	12mm Thick

GMSIL03R	3mm Thick
GMSIL06R	6mm Thick

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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
Tear Strength	12.5 N/mm (min)	ASTM D624
Compression Set (24hrs @ 150°C)	(Max)	ASTM D395B
Thermal Conductivity	0.24 W.m <sup>-1</sup> , 1<-1	
Temperature Range	-0°C to +200°C (continuous) -0°C to +250°C (intermittent)	