

Silicone Rubber



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MS ISO/IEC 17021:2011
QS26122016 CB 16



Certificate Number : FM 646287
ISO 9001 : 2015

Silicone Rubber is made from Silicone Polymer, which is very inert, flexible, nontoxic & light weight. No carbon or toxic chemicals are used in their manufacturing. It 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.

Silicone Rubber has low thermal and electrical conductivity and high dielectric strength making it suitable for critical electrical and electronic insulating and isolating applications. It also has good resistance to oil, greases and a wide range of chemicals, acids & alkalis.

It is available in a variety of choices depending on its hardness, specific gravity, colour, physical properties & surface finish.

Chemical and Environmental Resistance

Factor	Resistance
Weathering and Ozone	Very Good
Diluted Acids and Oils	Good
Concentrated Acids and Oils	Medium
Hydrocarbons	Medium
Oil and Petroleum Products	Medium

Application

- Flange gaskets on pipes and tanks
- Electrical and lighting fixture seals
- Transfer and joining sleeves
- Weatherproof flashing
- Thermal and electrical insulation
- Insulating strip
- Variety of sealing applications

Technical Details

Specific Gravity	1.20(±)0.05 g/cm ³
Tensile Strength	4.5 - 7.0 MPA
Hardness	60 (±5) Shore A
Elongation At Break	300% - 400%
Temperature Range	-50°C to 220°C

Standard Thickness, Roll Size and Finish

Standard Thickness	1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 8mm, 10mm
Standard Roll Size	1200mm (W) x 10mtrs (L) for 1.5mm - 8mm (T) 1200mm (W) x 5mtrs (L) for 10mm (T)
Standard Finish	Both Sides Smooth (SS)

* Note: Manufacturing tolerance of ± 10% on thickness, ± 5% on length & ± 2% on width shall be applicable

Cut lengths, strips, custom shapes, surface finish and colours are available upon request

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