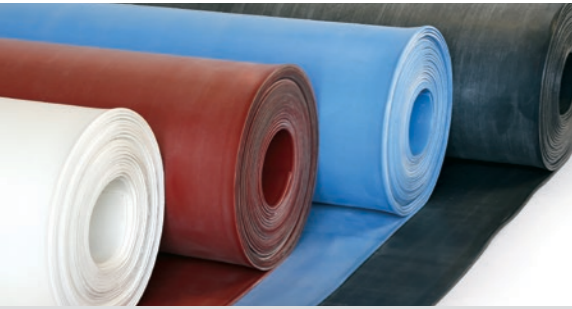


SILICONE 60 RUBBER SHEET

60 Duro | Food Grade | Heat Resistant | UV Resistant | Silicone Rubber



APPLICATIONS

Reglin Silicone 60 Rubber Sheet has been designed primarily for use as a flexible strip, pad, gasket or lining.

It is typically used for sealing, insulating, isolating and protecting steel or other surfaces.

It is suitable for use in hygienic environments such as food, drink and pharmaceutical facilities as well as sensitive electrical 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
- > Isolation barriers
- > Vacuum forming blankets
- > Heat resistant and non-stick skirting rubber
- > Dryer Fan housing seals
- > High temperature loading socks
- > Heat resistant expansion joints
- > Variety of sealing applications

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

FEATURES

Silicone 60 Rubber Sheet has excellent sealing capabilities. It has very high temperature resistance and will maintain its flexibility and physical properties over a wide temperature range. Silicone has excellent ozone/UV resistance 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.



Food safe



UV stable



Weather resistant

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.

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
Tear Strength	12.5 N/mm (min)	ASTM D624
Compression Set (24hrs @ 150°C)	30% (Max)	ASTM D395B
Thermal Conductivity	0.24 W.m-1 .K-1	
Temperature Range	-60°C to +200°C (continuous) Silicone can also withstand higher intermittent temperatures. For more information see Life Expectancy of Silicone.	
Brittle Point	-800°C (-1120°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 27872 Part 1
Dielectric Strength	23 kV.MM-1	VDE 0303
Dielectric Constant	2.6	VDE 0303
Dissipation Factor	3x10-4	VDE 0303
Volume Resistivity	3x1015 Ω.com	VDE 0303
Radiation Resistance	>105 Grays (107 Rads) typical	
Coefficient of Thermal Expansion	Between 300 and 250x10-6cm/cm/°C (Typical range)	

AVAILABLE SIZE

STANDARD THICKNESS

Red 0.3mm, 0.5mm, 1mm, 1.5mm, 2mm, 3mm, 4mm, 5mm, 6mm, 10mm, 12mm

White 1mm, 1.5mm, 2mm, 3mm, 5mm, 6mm, 10mm

Translucent 0.5mm, 1mm, 1.5mm, 2mm, 3mm, 5mm, 6mm, 8mm, 10mm

Blue 3mm, 6mm

Black 1mm, 1.5mm, 3mm

STANDARD ROLL SIZE

1200mm x 10mtrs (0.3mm - 6mm)

1200mm x 5mtrs (10mm, 12mm)

Silicone 60 can be supplied in cut lengths, strips, pads and custom cut shapes.

INDUSTRIES

- > Construction
- > Manufacturing
- > Mineral Processing
- > Power Generation
- > Food, Drink and Pharmaceutical
- > Agriculture and Livestock
- > Oil and Gas
- > Mining and Quarrying