

SILICONE RUBBER SHEET

Silicone 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.

SIZE RANGE :-

THICKNESS (MM)	WIDTH (MM)	LENGTH (METER)
1.00	300 X 300	
2.00	1000 &1200	2 &10
3.00	1000 &1200	2 &10
4.00	1000 &1200	2 &10
5.00	1000 &1200	2 &10
6.00	1000 &1200	2 &10
8.00	1000 &1200	2 &10
10.00	1000 &1200	2 &10
12.00	1000 &1200	2 &10

AVAILABLE COLOR :-

- RED, WHITE, TRANSPARENT

AVAILABLE MATERIAL :-

-SILICONE, NATURAL, FKM

APPLICATION :-

- Flange gaskets on pipes and tanks
- Electrical and lighting fixture seals
- Transfer and joining sleeves
- Weatherproof flashing
- Thermal and electrical insulation
- Insulating strip
- Isolation barriers
- Vacuum forming blankets

- Dryer Fan housing seals
- High temperature loading socks
- Heat resistant expansion joints
- Industry Field: Gasket Making, Vacuum Casting, Sealing Industries, Insulating, Thermal Shielding, Heat Sealing, Vibration and Sound dampening.
- Medical Field: As gasket and transmitting light material on the Medical Device.
- Food Field: They have a good condition as the placemat, table mat, dish mat and other daily application.

FEATURES:-

- Excellent resistance to heat (dry air), continuous work Temp (-40°C~+260°C)
- Resistant to ultra-violet light, ozone and weathering processing, pharmaceutical and cosmetic manufacturing area.
- Keep constant even at high temperatures.
- Resistance to chemicals; moderate resistance to general chemical products.
- Thermally stable over a wide range of temperatures (-40°C to 220°C)
- Solid Hardness: 30 to 80 Shore A
- Excellent Ozone and UV resistance
- Color matching available
- FDA approved for food use
- Exceptional Electrical Insulation
- Longevity and Durability
- Low Toxicity and Odorlessness

Environment Resistance:-

Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general

TECHNICAL DATA:-

Physical Properties	Test Method	Units	Typical Values
Specific Gravity	DIN EN ISO 1183-1 A	g/cm ³	1.3
Hardness, Shore A	D2240	SHORE A	60±5
Tensile strength psi(Mpa)	D412	MPA	9
Elongation (%)	D412	%	400
Tear Resistance, Die B lbf./in. (KN/m)	D624	KN/M	22
Temperature Rating	-	°C	-40 TO 220
Compression set 22h@300°C	ASTM D395 method B	%	10

General Characteristics:-

Test	Result	Standard
Brittle point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.00%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m-1 .K-1	VDE 0304
Radiation Resistance	>105 Grays (107 Rads) typical	
Dielectric Strength	23 kV.mm-1	VDE 0303
Dielectric Constant (50 HZ)	2.9	VDE 0303
Dissipation Factor TAN(50HZ)	3x10-4	VDE 0303
Volume Resistivity	3x10 ¹⁵ Ω.cm	VDE 0303