

Soft Silicone 40 Rubber Sheet

Reglin Soft Silicone 40 is a premium grade 40 Duro food grade and heat resistant silicone rubber sheet.

FEATURES

Reglin Soft Silicone 40 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.

Soft Silicone 40 is softer than standard Silicone and is highly flexible and compressible.

Reglin Silicone 40 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 40 Rubber Sheet is fully post cured. It is carefully produced to comply with European Commission regulations EC2023/2006 "good manufacturing practise for materials and articles intended to come into contact with food".

Silicone 40 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	Translucent	
Specific Gravity	1.15	ASTM D297
Hardness	40° ± 5° Shore A	ASTM D2240
Tensile Strength	6 MPa (min)	ASTM D412
Elongation @ Break	300% (min)	ASTM D412
Temperature Range	-60°C to +200°C (continuous) Silicone can also withstand higher intermittent temperatures.	
Compression Set 24hrs @ 150°C	35% (max)	ASTM D395B
Tear Strength	8.5/mm (min)	ASTM D624
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	

TECHNICAL INFORMATION (CONT.)

Brittle Point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Dielectric Strength	23 kV.MM ⁻¹	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 ⁻⁴	VDE 0303
Volume Resistivity	3x10 ¹⁵ Ω.com	VDE 0303
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	
Coefficient of Thermal Expansion	Between 300 and 250x10 ⁻⁶ cm/cm/°C (Typical range)	

AVAILABLE SIZES

Reglin stock Soft Silicone 40 Rubber Sheet 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	WEIGHT (PER L/M)
SILTLO1.540	1.5mm x 1200mm (10 L/M Roll)	2.1 kgs
SILTLO340	3mm x 1200mm (10 L/M Roll)	4.2 kgs
SILTLO640	6mm x 1200mm (10 L/M Roll)	8.3 kgs

STANDARDS

Reglin Silicone 40 Rubber Sheet conforms with the following standards.

As stated in FDA CFR 21.177.2600. 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.

