

Metal Detectable Silicone Rubber Sheet

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

FEATURES

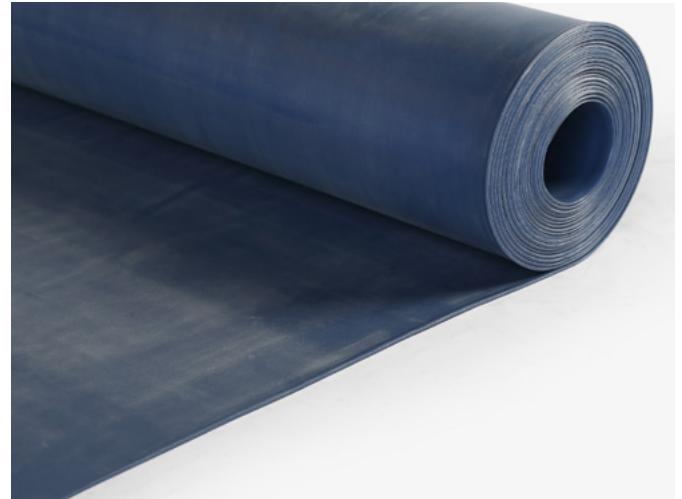
Reglin Metal detectable Silicone Rubber Sheet is made from a premium Silicone rubber compound and will display very high temperature resistance. It will maintain its flexibility and physical properties over a wide temperature range

Metal detectable silicone rubber contains additives which make it magnetic and visible to metal detection equipment.

Silicone has excellent ozone resistance and is UV stable making it weather resistant and suitable for outdoor use.

Reglin Metal detectable Silicone 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.

Metal Detectable Silicone 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".



TECHNICAL INFORMATION

Polymer	Silicone	
Colour	Blue	
Hardness	68° ± 5° Shore A	ASTM D2240
Tensile Strength	8 MPa (min)	ASTM D412
Elongation @ Break	327% (min)	ASTM D412
Temperature Range	-60°C to +200°C (continuous) Silicone can also withstand higher intermittent temperatures.	
Tear Strength	19 N/mm (min)	ASTM D624
Compression Set 24hrs @ 150°C	11% (Max)	ASTM D395B
Metal Detectable Properties	11.25/9.34mm (median test value)	
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	
Brittle Point	-80°C (-112°F)	ASTM D746

TECHNICAL INFORMATION (CONT.)

Limiting Oxygen Index	24.0%	BS 2782 Part 1
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	
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	ASTM D624

Please note: Exposure of Metal detectable Silicone to continuous high temperatures can cause loss of magnetic properties.

AVAILABLE SIZES

Metal Detectable Silicone Rubber Sheet 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)
SILMD03	3mm x 1200mm (10 L/M Rolls)	4.7 kgs

STANDARDS

Reglin Metal Detectable 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.

