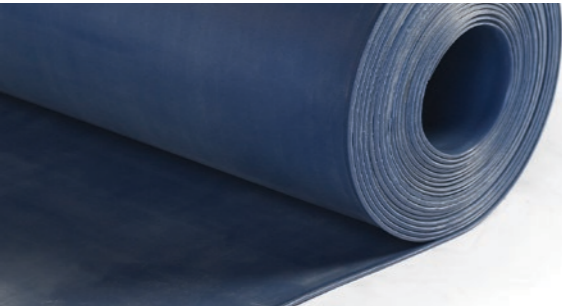


# METAL DETECTABLE SILICONE RUBBER SHEET

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



## APPLICATIONS

Reglin Metal detectable Silicone 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 critical hygienic environments such as food, drink and pharmaceutical facilities which use metal detection equipment to eliminate possible contamination.

Its properties make it suitable for use in a wide range of applications including:

- > Flange gaskets on pipes and tanks
- > Transfer and joining sleeves
- > Insulating strip
- > Isolation barriers
- > Variety of sealing applications

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

## FEATURES

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

It has very high temperature resistance and 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.

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".



Food safe



Metal detectable



UV stable

## STANDARDS

Reglin Metal Detectable Silicone 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	Blue	
Hardness	68° ± 5° Shore A	ASTM D2240
Tensile Strength	8 MPa (min)	ASTM D412
Elongation @ Break	327% (min)	ASTM D412
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	
Temperature Range	-60°C to +200°C (continuous) Silicone can also withstand higher intermittent temperatures. For more information see Life Expectancy of Silicone Rubber	
	Please note: Exposure of Metal detectable Silicone to continuous high temperatures can cause loss of magnetic properties.	
Brittle Point	-800°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Radiation Resistance	>105 Grays (107Rads) typical	
Dielectric Strength	23 kV.MM-1	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10-4	VDE 0303
Volume Resistivity	3x1015Ω.com	

## AVAILABLE SIZE

**STANDARD THICKNESS** 3mm

Other available thicknesses include; 1.5mm, 2mm, 4mm 5mm and 6mm. Minimum order quantities and lead times apply.

**STANDARD ROLL SIZE** 1200mm x 10mtrs

Metal Detectable Silicone 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