

Metal Detectable Silicone Sponge Sheeting and Extrusion



A closed cell metal detectable silicone sponge developed for the food, beverage and pharmaceutical sectors. Specifically formulated to prevent eroding rubber particles contaminating production lines and end products. Ideal for flexible sealing solutions and die-cut gaskets.

Meets the flammability requirements of FAR 25 (horizontal) and FMVSS302.

Benefits:

- Long life service.
- Ozone, U.V. and weather resistant.
- Can reduce downtime.
- Can reduce waste.
- Can save reputation damage caused by recalls.
- Can save costs associated with recalls.

Availability:

- Sheeting supplied in rolls (1m wide)
 - 1.5mm to 11mm thick - 10m rolls
 - 12mm to 15mm thick - 5m rolls
 - 16mm to 30mm thick - 1m x 1m squares
- Optional pressure sensitive adhesive backing.
- Gaskets, extrusions, cords, tubes, sections, profiles.

Temperature Range: -60°C (76°F) to 230°C (446°F).

PROPERTY	TYPICAL VALUE	TEST METHOD
Colour	Blue	
Density	315 Kg/m ³ 19.7 lb.ft ³	ISO 845 (ASTM D1056)
Compression Force Deflection 40% Strain	112.1 kPa 16.3 psi	ISO 37 type 12
Tensile Strength	1.47 MPa 213 psi	ASTM D265 die B
Elongation	214%	ISO 1798
Compression Set 50% compression - 24hrs recovery 22hrs @ 70°C (158°F) 22hrs @ 100°C (212°F)	5% 6%	BSENISO 1856 BSENISO 1856
Magnetic Pull	5.7mm	SEWI/700 internal

TEST	RESULT	STANDARD
Brittle Point	-80°C (-112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	VDE 0304
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	

Dimensional Tolerances: are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

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