

Specification Sheet / 01

Silicone Rubber Solid Sheet Metal Detectable - Standard



Property	Value
Grades	Metal Detectable – 60° shore
Temperature Range	-60°C to 200°C (-76°F to 392°F) and up to 250°C (482°F) intermittent
Specification	<p>This material has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600 & Directive EC 1935/2004.</p> <p>These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.</p>
Environment Resistance	Silicone Rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionizing radiation and weathering in general.
Availability	<p>Sheeting supplied in continuous roll lengths Standard widths of 1200mm Pressure sensitive adhesive backing Punched/Water Jet gaskets Extruded profiles and tubing Fabricated seals and gaskets</p>
Typical Applications	Commercial Catering, Food & Beverage.

Test	Result	Standard
Brittle point	-80°C (112°F)	ASTM D746
Limiting Oxygen Index	24.0%	BS 2782 Part 1
Thermal Conductivity	0.24 Wm ⁻¹ K ⁻¹	VDE 0304
Radiation Resistance	10-5 Grays (10 ⁻⁷ Rads) typical	.
Dialectric strength (KV/mm)	23	VDE0303
Dialectric constant	2.9	VDE0303
Dissipation factor @ 50 liz (tan delta)	3 x 10E-4	VDE0303
Volume resistance (Ohm.cm)	3 x 10E15	VDE0303
Mechanical Properties	Units	Value (Std)
Hardness	Shore A	63
Tensile Strength	MPa psi	8.0 1160
Elongation to Failure	%	370
Tear Strength	N/mm lb./in	21 120
Compression Set 24 Hours @ 150°	%	11
Compression set 22 hours @ 300°F	%	11
Magnetic Pull	mm	7.3

Change Control Date	Change
14/12/2017	Created

