

Specification Sheet / 01

Silicone Rubber Solid Sheet Metal Detectable - Standard



ISO9001, ISO14001, ISO45001
Certificate Ref: 11739

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	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. 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.
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	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
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 Hz (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

