

## VMD60SH

### Metal Detectable Silicone Rubber Sheeting

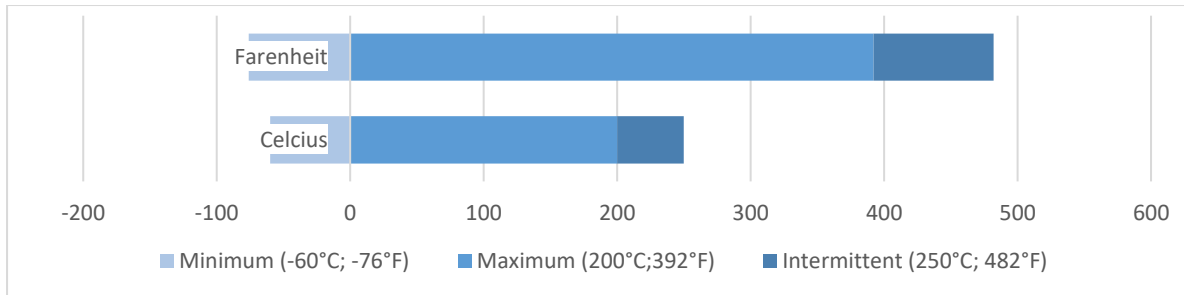
#### Material

Metal Detectable Silicone Sheet

#### Available Grades

60° Shore A, 1.2m wide in a full range of thicknesses in standard grade (others available)

#### Temperature Range



#### General Information

Our metal detectable sheeting range has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600 & Directive EU 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 571MVSS302.

#### Material compliance

- FDA
- EC1935/2004 compliant
- REACH and RoHS compliant
- Automotive Standard PART 571MVSS302
- FAR 25JAR 25/CS 25 Appendix F, Part 1 (a)(1)(iv) and (a)(1)(v) horizontal flammability test

#### Environmental Resistance

Silicone Rubber Products have an excellent resistance to:

- Ozone
- Oxidation
- Ultraviolet Light
- Corona Discharge
- Cosmic radiation
- Ionising radiation
- Weathering in general

#### Typical Applications

- Commercial catering
- Food & Beverage

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## Metal Detectable Silicone Rubber Sheetting

### Availability Format

- Supplied in continuous roll lengths
- Widths of 1200mm (standard)
- Pressure sensitive adhesive backing
- Cut gaskets
- Fabricated seals and gaskets
- Slit strips

### Material Properties

Property	Units	Standard	Extra Power	Extra Strength	Test Method
		Typical Value			
<b>Hardness</b>	Shore A ±5	63	63	61	ASTM D2240 DIN ISO 7619-1
<b>Tensile Strength</b>	MPa (PSI)	8.0 (1160)	8.5 (1235)	7.5 (1090)	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
<b>Elongation to Failure</b>	%	370	290	290	ISO 37 type 1 ASTM D412 die C DIN 53504 type S1
<b>Tear Strength</b>	N/mm (lb./in.)	21 120	22 125	21 120	ASTM D624 die B
<b>Compression set 24 hrs @ 150°C</b>	%	11	14	13	BS 903 pt A6 type B DIN/ISO 815 type B
<b>Compression set 24 hrs @ 150°C</b>	%	11	14	13	ASTM D395 method B type 2
<b>Magnetic Pull</b>	mm	7.3	8.3	11.3	SEWI 700

These figures are only intended as a guide and should not be used in preparing specifications.

### General Characteristics

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 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	
Dielectric Strength	23 kV.mm-1	VDE 0303
Dielectric Constant	2.9	VDE 0303
Dissipation Factor	3x10 <sup>-4</sup>	VDE 0303
Volume Resistivity	3x10 <sup>15</sup> Ω.cm	VDE 0303

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