

S MAGNETSIL

FOOD & DRINK SHEETING

BLUE METAL DETECTABLE SILICONE 60

FOOD QUALITY HIGH PERFORMANCE SILICONE SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

<i>Rubber Compound</i>	Silicone
<i>Rubber Color</i>	Blue Metal Detectable - S6M3
<i>Density</i>	1.35 g/cm ³ ±0.05
<i>Hardness (ISO 48-4)</i>	60±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥8.0 MPa
<i>Elongation at break (ISO 37)</i>	≥300 %
<i>Tear resistance (ISO 34-1)</i>	≥12 N/mm
<i>Compression set (ISO 815-1)</i>	24h @ 150 °C : ≤30%

TEMPERATURE

<i>Working temperature</i>	-60/+230 °C
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ELECTRICAL

<i>Volume resistivity</i>	>10 ¹² Ω.m.
<i>Surface Resistivity</i>	>10 ¹³ Ω

CHEMICAL RESISTANCE

<i>Diluted acids and bases</i>	Good
<i>Concentrated acids and bases</i>	Medium
<i>Ozone</i>	Very good
<i>Oils and hydrocarbons</i>	Medium

FEATURES

- Food grade silicone containing an additive visible to metal detector equipment. Any loose fragment or eroded particle from the gasket can be detected easily by the scanners fitted along the food processing line.
- Detection test:
- SMD's Samples run through metal detector (42 m/min). Result is converted to ferrous ball equivalent, 2,2 mm.
- SMD particles placed in food stuff tray is detected by X-Ray and displayed.
- For more detail ask to your local contact report n° SMD-X 201907

REGULATIONS

- Meeting European regulations (EC) n° 1935/2004 and 2023/2006.
- The material is in compliance with FDA 21 CFR Part. 177. Indirect Food Additives: Polymers. Sec 177.2600 Rubber articles intended for repeated use for contact with aqueous food.
- IANESCO certificate (Institut français de Poitiers).
- Quality certificate available under request.

ADVANTAGES

- Talcum-free, clean surface free of dust
- Time saver for cleaning and adhesive process
- Very good resistance to ozone, UV light, weathering and ageing
- Excellent temperature resistance (-60/+230°C)
- Good ratio quality/price

APPLICATIONS

- Gaskets or washers cutting and manufacturing of pieces for general industrial applications in contact with:
- foodstuffs
- water
- detergents
- diluted acids
- strong non oxidant acids

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

REACH
compliant

Asbestos
FREE

ADI
FREE

Halogen
FREE

RoHS
compliant

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DIMENSIONS

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
SSS6M301F01001	STD NOT STOCK	1	1200 ±2%	10000 ±2%	1,35	Smooth	Smooth	-	0	80 mm
SSS6M301F01501	STD NOT STOCK	1,5	1200 ±2%	10000 ±2%	2,03	Smooth	Smooth	-	0	80 mm
SSS6M301F02001	STD STOCK	2	1200 ±2%	10000 ±2%	2,70	Smooth	Smooth	-	0	80 mm
SSS6M301F03001	STD STOCK	3	1200 ±2%	10000 ±2%	4,05	Smooth	Smooth	-	0	80 mm
SSS6M301F04001	STD STOCK	4	1200 ±2%	10000 ±2%	5,40	Smooth	Smooth	-	0	80 mm
SSS6M301F05001	STD NOT STOCK	5	1200 ±2%	10000 ±2%	6,75	Smooth	Smooth	-	0	80 mm
SSS6M301F06001	STD NOT STOCK	6	1200 ±2%	5000 ±2%	8,12	Smooth	Smooth	-	0	80 mm

IDENTIFICATION

Labelling

Self-adhesive label indicating product name, dimensions, area in m², nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)

Wrapping

White polyethylene film.(94/62/EC - LDPE4)

Packaging

Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.