

S DIAMONDSIL

FOOD & DRINK SHEETING

TRANSPARENT SILICONE 60

FOOD QUALITY HIGH PERFORMANCE SILICONE SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

<i>Rubber Compound</i>	Silicone
<i>Rubber Color</i>	Transparent - S6A0
<i>Density</i>	1.20 g/cm ³ ±0.05
<i>Hardness (ISO 48-4)</i>	60±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥10.0 MPa
<i>Elongation at break (ISO 37)</i>	≥500 %
<i>Tear resistance (ISO 34-1)</i>	≥20 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

- Transparent food grade silicone, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).

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)
- Tested and qualified by BNIC (Bureau National Interprofessionnel du Cognac)
- 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.

**Asbestos
FREE**
**ADI
FREE**
**Halogen
FREE**
**RoHS
compliant**
**REACH
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
0037208	STD STOCK	1	1200 ±2%	10000 ±2%	1.200	Smooth	Smooth	-	0	
0030503	STD STOCK	1,5	1200 ±2%	10000 ±2%	1.800	Smooth	Smooth	-	0	
0030508	STD STOCK	2	1200 ±2%	10000 ±2%	2.400	Smooth	Smooth	-	0	
0037209	STD STOCK	3	1200 ±2%	10000 ±2%	3.600	Smooth	Smooth	-	0	
0030509	STD STOCK	4	1200 ±2%	10000 ±2%	4.800	Smooth	Smooth	-	0	
0038046	STD STOCK	5	1200 ±2%	10000 ±2%	6.000	Smooth	Smooth	-	0	
0038034	STD STOCK	6	1200 ±2%	5000 ±2%	7.200	Smooth	Smooth	-	0	

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.