

S SAPPHIRESIL

FOOD & DRINK SHEETING

BLUE SILICONE 60

FOOD QUALITY HIGH PERFORMANCE SILICONE SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

Rubber Compound	Silicone
Rubber Color	Blue - S6A3
Density	1.20 g/cm ³ ±0.05
Hardness (ISO 48-4)	60±5 Shore A
Tensile strength (ISO 37)	≥10.0 MPa
Elongation at break (ISO 37)	≥500 %
Tear resistance (ISO 34-1)	≥20 N/mm
Compression set (ISO 815-1)	24h @ 150 °C : ≤30%

TEMPERATURE

Working temperature	-60/+230 °C
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ELECTRICAL

Volume resistivity	>10 ¹² Ω.m.
Surface Resistivity	>10 ¹³ Ω

CHEMICAL RESISTANCE

Diluted acids and bases	Good
Concentrated acids and bases	Medium
Ozone	Very good
Oils and hydrocarbons	Medium

FEATURES

- Blue 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, easier to be handled
- Primerless adhesion
- 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

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
SSS6A301F01001	STD STOCK	1	1200 ±2%	10000 ±2%	1,19	Smooth	Smooth	-	0	
SSS6A301F01501	STD STOCK	1,5	1200 ±2%	10000 ±2%	1,785	Smooth	Smooth	-	0	
SSS6A301F02001	STD STOCK	2	1200 ±2%	10000 ±2%	2,38	Smooth	Smooth	-	0	
SSS6A301F03001	STD STOCK	3	1200 ±2%	10000 ±2%	3,57	Smooth	Smooth	-	0	
SSS6A301F04001	STD STOCK	4	1200 ±2%	10000 ±2%	4,76	Smooth	Smooth	-	0	
SSS6A301F05001	STD STOCK	5	1200 ±2%	10000 ±2%	5,95	Smooth	Smooth	-	0	
SSS6A301F06001	STD STOCK	6	1200 ±2%	5000 ±2%	7,14	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.