

SR Silicone



SILICONE SHEETING FOOD QUALITY HIGH PERFORMANCE

FEATURES

Silicone, red, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).
Volume resistivity > 10^{12} Ω .m.
Surface resistivity > 10^{13} Ω .

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

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with:

- foodstuffs
- water
- detergents
- diluted acids
- strong non oxidant acids

ADVANTAGES

- † Talcum-free, easier to be handled
- † Primerless adhesion
- † Very good resistance to ozone, UV light, weathering and ageing
- † Excellent temperature resistance (-60/+200°C)
- † Good ratio quality/price

BENEFITS

- † Performance
- † Legality
- † Food safety
- † Hygiene, cleanliness
- † Long life

MAINTENANCE RECOMMENDATION

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

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - red			Silicone	S6A2
Density			1.20 ±0.05	g/cm ³
Hardness		ASTM D2240	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 after 24h at 150°C		ISO 815-1	≤30	%
TEMPERATURE				
Working temperature			-60/+200	°C
AGEING				
Ozone resistance		-	Very good	
CHEMICAL RESISTANCE				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Good	Medium	Very good	Medium	
IDENTIFICATION				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	White polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.			

Silicone		SILICONE SHEETING		SR	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	
1±0.3	1200±2%	10±2%	1.2	2 SMOOTH SIDES	
1.5±0.3	1200±2%	10±2%	1.8	2 SMOOTH SIDES	
2±0.3	1200±2%	10±2%	2.4	2 SMOOTH SIDES	
3±0.3	1200±2%	10±2%	3.6	2 SMOOTH SIDES	
4±0.4	1200±2%	10±2%	4.8	2 SMOOTH SIDES	
5±0.4	1200±2%	10±2%	6	2 SMOOTH SIDES	
6±0.5	1200±2%	5±2%	7.2	2 SMOOTH SIDES	

