

ST Silicone



SILICONE SHEETING FOOD QUALITY HIGH PERFORMANCE

FEATURES

Silicone, transparent, food grade, 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
- 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

- 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 - Transparent			Silicone	S6A0
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.			

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 %	6.0	2 smooth sides
6	±0.5	1200	± 2 %	5	± 2 %	7.2	2 smooth sides