

TDS – PLSST60

FEATURES:

Silicone, transparent, food grade, meeting regulation (EC) 1935/2004 (European legislation) and FDA classification (American legislation).

Volume resistivity > $10^{12} \Omega \cdot m$

Surface resistivity > $10^{13} \Omega$.

REGULATIONS:

Meeting European regulation (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.

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 – transparent		Silicone	S6AO	●
	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	Concentrate acids and bases	Ozone			Oils and hydrocarbons
Good	Medium	Very good			Medium
IDENTIFICATION					
Branding	Without.				
Packaging	Thickness ≤ 6mm rolled on cardboard tube Ø 80 mm.				
	Thickness > 6 mm in roll.				
Wrapping	White polyethylene films.				
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)	WEIHT (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 ± 0.4	1200 ± 2%	5 ± 2 %	7.2	2 smooth sides