

Description

Standard silicone profile, crosslinked by peroxides.

Available sizes

Geometries as per Silam catalogue or in accordance with client drawing.

Technical Department available to clients for co-designing and/or suggesting solutions.

Characteristics

- Excellent resistance to UV rays, oxygen, ozone and low and high temperatures.
- Good mechanical properties.
- Gas permeable.
- Water repellent and non-stick.
- Good electrical insulation.
- Operating temperature: -60 to 200 °C, with peaks of 230 °C.
- Good transparency.
- Available in a wide range of colours according to the RAL and PANTONE charts.
- Range of hardnesses available: From 20 to 90 Sh A.
- Compliance with Reach, RoHS and ROHS2 regulations.

Technical Data

Material: High consistency silicone rubber (HCR) for high temperature vulcanization (HTV).
TOLERANCES - In accordance with ISO 3301-1 Standard.

PROPERTIES	METHOD	UNITS									
Hardness	DIN 53505	Sh A (+/-5)	20	30	40	50	60	70	80	90	
Density	DIN EN ISO 1183-1A	g/cc (+/-0,03)	1.1	1.11	1.12	1.13	1.14	1.18	1.21	1.22	
Breaking load	DIN 53504 S 1	Mpa	>6.5	>7	>8	>8.5	8.5	>9	>7.5	>6	
Elongation	DIN 53504 S 1	%	>800	>500	>450	>400	>350	>300	>250	>200	
Tear	ASTM 624 B	N/mm	>15		>12	>18	>18	>19	>15	>15	

*Data obtained after postcuring for 4hrs 200 °C. / This information serves only as a guide and should not be used to create specifications.

APPLICATIONS

Protection of parts in low and high temperature environments in the electricity, electronics, electrical appliances and automotive sectors.

Closures ensuring airtightness, watertightness and sealing.

PACKAGING/DOSAGE

SILAM PER is supplied in:
Rolls of 25, 50, 100 and 250 meters, depending on size.
Cardboard reels.

Other presentations:

Ability to provide cutted to length, perforated, punched, printed with text and/or anagrams as required, joined with high bonding strength

STORAGE / SERVICE LIFE

The product should be stored in a closed area, protected from direct sunlight. It is recommended to store it in a cool place, away from chemicals and in original packaging.

Warning to users

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products.

SILAM SILICONES GUARANTEES THAT ITS PRODUCTS COMPLY WITH ITS SALES SPECIFICATIONS.

This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and SILICONAS SILAM is at their disposal to supply any additional information.