

Description

Silicone profile for ovens and kitchens resistant to high temperatures (up to 300 °C), crosslinked by peroxides or platinum.

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

- Operating temperature: -60 a 250 °C.
-60 a 280 °C.
-60 a 300 °C.
- Excellent resistance to UV rays, oxygen, ozone and low and high temperatures.
- Compliance with Reach, RoHS and ROHS2 regulations.
- High bond strength between metal inserts and silicone seal.
- Resistant to grease and oils.
- Gas permeable.
- Water repellent and non-stick.
- Good electrical insulation.
- Good mechanical properties.
- Available in a wide range of colours according to the RAL and PANTONE charts.
- Range of hardnesses available: From 20 to 90 Sh A.

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	
Density	DIN EN ISO 1183-1A	g/cc (+/-0,03)	1,1	1,11	1,12	1,13	1,14	1,18	1,21	
Breaking load	DIN 53504 S 1	Mpa	>6,5	>7	>8	>8,5	8,5	>9	>7,5	
Elongation	DIN 53504 S 1	%	>800	>500	>450	>400	>350	>300	>250	
Tear	ASTM 624 B	N/mm	>15		>12	>18	>18	>19	>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

Airtight seals for ovens and standard and industrial cookers.

PACKAGING/DOSAGE

SILAM GASKET DOOR is supplied finished, ready for installation.

PACKAGING/DOSAGE

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.