

Description

Silicone profile suitable for **applications in contact with food**, crosslinked by peroxides or platinum.

Available sizes

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

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

Characteristics

- The postcured profiles are suitable for food contact in accordance with FDA CFR 21/ 177.2600 and "XV Silicones" section of the BfR and 2004 European Pharmacopoeia regulations.
- Compliance with Reach, RoHS and ROHS2 regulations.
- Food safety authority registration No.: 34.04695/SS.
- Excellent resistance to UV rays, oxygen, ozone and low and high temperatures.
- Gas permeable.
- Good electrical insulator.
- Water repellent and non-stick.
- Good mechanical properties.
- Available in a wide range of colours according to the RAL and PANTONE charts.
- Operating temperature: -60 to 200 °C.
- 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 3302-1 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

Seals in high temperature applications and excellent recovery from deformation.

Protection of parts in low and high temperature environments in contact with food products.

PACKAGING/DOSAGE

SILAM PER FOOD GR 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

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