

### Description

Food Grade silicone compounds suitable for all types of vulcanization processes. Good mechanical properties, flexibility and transparency.

### Characteristics

- The products which are properly postcured are suitable for food handling according to CFR 21/177.2600 FDA regulation and section "XV Silicones" of the BfR.
- Good mechanical properties.
- Available in a wide range of colours.
- Good transparency.
- Operating temperature: -60 to 200 °C.
- Hardness: From 20 to 90 Sh A.

### Technical Data

Material: High consistency silicone rubber (HCR) for high temperature vulcanization (HTV).

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	
Tensile Strength	DIN 53504 S 1	Mpa	>6.5	>8	>8.5	>8.5	>9	>9	>7.5	>7	
Elongation	DIN 53504 S 1	%	>800	>500	>450	>400	>350	>350	>250	>200	
Tear Strength	ASTM 624 B	N/mm	>18	>18	>18	>20	>22	>20	>15	>15	

\*All data are obtained after press curing with crosslinker C1 15min 165 °C, 4hr 200 °C. / This information serves only as a guide and should not be used to create specifications.

**PROCESSING-VULCANIZATION**      Compression and/or injection moulding  
Extrusion  
Calendering  
Autoclave

**APPLICATIONS**                      Moulds in contact with food  
Sheets  
Profiles  
Tubes  
Gaskets  
Rollers

**SECTORS**                              Food  
Agricultural  
Household appliances  
Machinery for the food industry

**PACKAGING/DOSAGE**              SILAM FOOD GR is supplied in 20, 270 or 540 kg. cardboard boxes. It can be supplied preformed in:

- Sheets available in different thicknesses.
- Endless strips (several strip dimensions).
- Blocks.

**STORAGE / SERVICE LIFE**              The compound should be stored in a closed area and at a temperature below 30°C.

The expiry date is indicated on the label. Product may exhibit altered characteristics if used after expiration date.

### 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.