

### Description

Silicone compounds with excellent mechanical properties, suitable for all kinds of vulcanization processes. Excellent tear strength across the range of hardnesses

### Characteristics

- Excellent mechanical properties, particularly the tear strength.
- Excellent transparency.
- Available in a wide range of colours.
- Operating temperature: -40 to 200 °C. Mixtures that can withstand up to 250 °C can be made.
- Hardness: From 30 to 70 Sh A.

### Technical Data

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

PROPERTIES	METHOD	UNITS					
Hardness	DIN 53505	Sh A (+/-5)	30	40	50	60	70
Density	DIN EN ISO 1183-1A	g/cc (+/-0.03)	1.10	1.11	1.15	1.17	1.20
Tensile Strength	DIN 53504 S 1	Mpa	>8.5	>9	>9	>9.5	>9
Elongation	DIN 53504 S 1	%	>650	>500	>500	>500	>450
Tear Strength	ASTM 624 B	N/mm	>24	>28	>32	>35	>30

\*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

Brackets, hoses, seals, dampers, all type of technical parts  
Sheets  
Profiles  
Tubes  
Silicone coated rollers

### SECTORS

Transportation (automotive, rail, aviation, naval)  
Household appliances  
Construction  
Industrial machinery

### PACKAGING/DOSAGE

SILAM HIGHP 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.

### ALMACENAJE / CADUCIDAD

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.