

- IATF16949
- ISO9001
- ISO13485
- ISO14001
- ISO50001

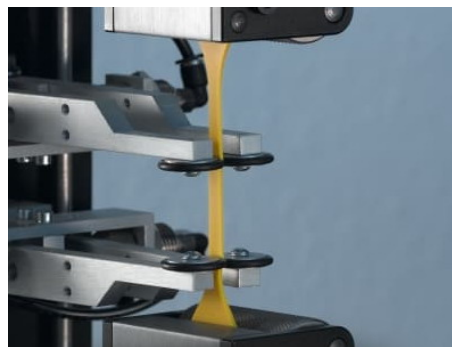
## INDUSTRIES AND APPLICATIONS



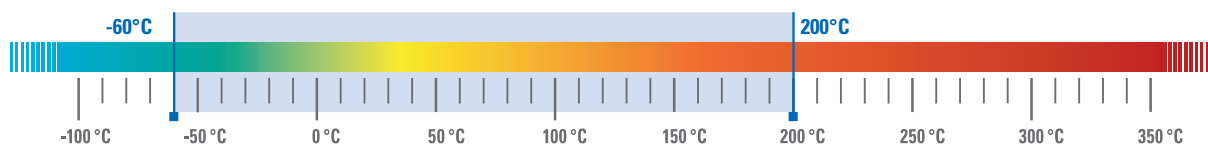
## HighQSil® HIT

### Key properties

- Peroxid vulcanised
- Silicone with good tensile strength and improved tear resistance and elongation at break
- Resistant to UV and ozone (resistant to radiation and non-aging)
- Free of plasticiser
- Resistant to many chemicals
- No toxic combustion gases
- Very good fire resistance
- transparent or coloured
- For many settings our silicone product conforms with recommendation XV BfR and CFR 21 FDA §177.2600. Please get directly in touch with us.



### Application temperature



### Product description

From our specially developed HighQSil® series: our peroxide vulcanised grade HighQSil® HIT has an improved tensile strength and tear resistance compared to the standard peroxide mixture, which is only topped by our platinum vulcanised grades HighQSil® types PT and PT X.

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**HighQSil® HIT**

**Material Qualities**

Property	Standard	30	40	50	60	70
Hardness [Shore A]	DIN 53505 DIN EN ISO 868	30±5	40±5	50±5	60±5	70±5
Density [g/cm³]	DIN 53479 ISO/R 1183	1.11	1.12	1.15	1.16	1.18
Tensile Strength [MPa]	DIN 53504 ISO/DIS 37	9.0	9.9	10.0	10.3	9.8
Elongation @ Break [%]	DIN 53504 ISO/DIS 37	750	725	610	600	550
Tear Strength [N/mm]	ASTM D624B	32	35	35	39	36
Operation Temperature [°C]		-60 / +180	-60 / +200	-60 / +200	-60 / +180	-40 / +180
Colour		transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured	transparent or coloured