

Characteristics and features

- silicone quality
- peroxide cured
- post-cured
- FDA 21§177.2600 conform
- complies with WL 5.5504
- PAH free according AfPS GS 2014: category 1

A-SY 50-79

All our products are:

- PAH-free (EU 1272/2013)
- REACH conform
- Nitrosamin free
- RoHS II conform

Technical data sheet

Polymer		DIN ISO 1629	Silikon (MVQ)
Colour			opaque / transparent
Shore hardness	[ShA]	ISO 7619-1 / 3s	50 ± 5
Density	[g/cm ³]	DIN EN ISO 1183 / ISO 2781	1,15 ± 0,02
Tensile strength	[N/mm ²]	ISO 37	> 6,5
Elongation at break	[%]	ISO 37	> 350
Temperature resistance	[°C]		-40°C to +200°C
Tear strength	[N/mm]	DIN ISO 34-1 A	> 6,0
Compression set *	[%]	ISO 815	< 20
Fire resistance **		FMVSS 302	SE (self extinguish)
Ozone resistance ***		ISO 1431-1	ozone resistant
Spec. Volume resistance	[Ωcm]	VDE 0303-30	isolating

* 24 h / 70 °C; ** tested at bei 2 mm; *** 50 pphm, 40°C, 72 h, 20% Elongation

Resistance



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Important information:

The listed test values and data are based on results of many years of development, tests and proving. A characteristics warranty and guaranteed function can't be derived from the information given. It is within the user's responsibility to test the selection of material in a specific application to ascertain his intended operational capability. Technical changes within the product development are subject to change.

This edition supersedes all previous data sheets.