

MVQ 45 / 80-06-45003

45 ShA / peroxide crosslinked / FDA / transparent

- Methyl vinyl silicone rubber
- Standard material; FDA + BfR compliant
- Excellent heat resistance and extreme cold resistance.
- Very good resistance to oxygen, ozone, UV rays and weather conditions.
- Very good electrical insulation properties, physiologically sound.

Property	Value	Unit	DIN Standard
Hardness	45 ±5	Shore A	DIN ISO 7619-1
Density	1,13 ±0,02	g/cm ³	DIN EN ISO 1183-1
Tensile strength at 100% elongation	--	N/mm ²	DIN 53504
Elongation at break	≥ 550	%	DIN 53504
Tensile strength	≥ 8	N/mm ²	DIN 53504
Compression set 175°C/22h	23	%	DIN ISO 815-1 B
Rebound resilience	54	%	DIN ISO 53512
Tear resistance	9,4	N/mm	DIN ISO 34-1 A
Tear resistance	22,1	N/mm	DIN ISO 34-1 B
min. operating temperature	-40	°C	static
max. operating temperature	+170 / 180	°C	constantly
max. operating temperature short	+200	°C	couple of hours

FDA confirmation

We hereby confirm that the above quality meets the following requirements: Recommendation XV "Silicones" of the Federal Institute for Risk Assessment (BfR), FDA, CFR 21, Section 177.2600 "Rubber Articles Intended for Repeated Use."

Confirmation according to EC/1935/2004

Provided that suitable processing and manufacturing conditions are adhered to during article production, the articles produced from the above-mentioned mixture conform to the EU framework regulation on materials and countermeasures stands intended to come into contact with food (Regulation (EC) No 1935/2004).

Due to technically unavoidable conditions or delivery forms of the raw materials, the elastomeric compound contain traces of substances not listed in these recommendations and guidelines. In any case, the prescribed tests should therefore be carried out on the finished part.

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.