



MATERIAL DATA SHEET

MVQ | FDA

GENERAL INFORMATION

MVQ | FDA is a methyl vinyl silicone rubber commonly known as Silicone.

It has poor mechanical properties and is therefore mainly used in static applications. It is highly resistant to weathering, ozone and ageing and is used for applications in contact with foodstuff, hot air and mineral oils.

MVQ | FDA has a high gas permeability.

MVQ | FDA corresponds to foodgrade standards.

MECHANICAL | ELECTRICAL | THERMAL PROPERTIES

Colour:			rustbrown
Hardness at 20°:	DIN 53505	Shore A	85 +/-2
Density:	DIN ISO 1183-1	g/cm ³	1.51
100% Modulus:	DIN 53504	N/mm ²	> 5
300% Modulus:	DIN 53504	N/mm ²	> /
Tensile strength:	DIN 53504	N/mm ²	> 6
Elongation at break:	DIN 53504	%	> 180
Rebound resilience:	DIN 53512	%	> 50
Tear strength:	DIN ISO 34-1	N/mm ²	> 13
Abrasion:	DIN 53516	mm ³	< /
Compression set:*	DIN ISO 815-1	%	< /
Compression set:**	DIN ISO 815-1	%	< /
Compression set:***	DIN ISO 815-1	%	< /
Compression set:****	DIN ISO 815-1	%	< /
Compression set:*****	DIN ISO 815-1	%	< 13
Min. service temperature:		°C	- 60
Max. service temperature (short term):		°C	+ 200 (+230)

* Compression set @ 23°C, 72 hours, 10% deflexion

** Compression set @ 70°C, 24 hours, 20% deflexion

*** Compression set @ 100°C, 24 hours, 20% deflexion

**** Compression set @ 225°C, 22 hours, 10% deflexion

***** Compression set @ 175°C, 22 hours, 10% deflexion

REMARK

All test methods and values stated above are corresponding to ASTM | DIN | ISO standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.

This information does not except our customers to test our products for its suitability for the intended application.

Utilization, processing and application of our products are out of our control and therefore our customers responsibility, also in terms of any protective rights of any third party.