



Tesnila Bogadi d.o.o.
Karantanska ulica 21
SI-2000 Maribor, Slovenija

T: +386 (0)2 426 04 50 / 426 04 52 / 426 04 53
E: info@bogadi.si
W: www.bogadi.com



Technical data sheet

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MVQ 85 ShA blue

Methyl-vinyl-silicone rubber, blue

Properties	Value	Unit	DIN Standard
Hardness	85±5	Shore A	DIN ISO 7619-1
Density	1,52	g/cm ³	DIN EN ISO 1183-1
100% Modulus	5,1	Mpa	DIN 53504
Elongation at break	185	%	DIN 53504
Tensile strength	6	Mpa	DIN 53504
Compression set 23°C/70h	4,1	%	DIN ISO 815-1
Compression set 70°C/22h	9,4	%	DIN ISO 815-1
Rebound resilience	50	%	DIN ISO 4662:2017
Tear strength	12,6	kN/m	DIN ISO 34-1 A
Abrasion resistance	-	mm ³	DIN ISO 4649 B
Min. Service temperature	-60	°C	
Max. Service temperature	+200	°C	

Advantages and stability:

- **MVQ (silicone) compound approved for food contact applications**, compliant with FDA requirements and recommended for conformity with EU Regulation 1935/2004. Ideal for use in food processing, beverage, and pharmaceutical industries where high purity and hygiene are essential.
- **Excellent resistance** to mineral oils, HFD-U fluids, and cold water, ensuring stable sealing performance even in chemically demanding or low-temperature environments.
- **Good flexibility and elasticity**, maintaining sealing integrity over a wide temperature range and after prolonged use.
- **Primarily suitable for static sealing applications**, and can also be used, with certain limitations, for rod, piston, and wiper seals where moderate dynamic loads are present.
- **Excellent thermal stability**, offering reliable performance in both low and high temperature conditions.

Foodstuff approval:

FDA-approved*

EU Regulation 1935/2004*

*The user is responsible for performing the necessary tests to confirm that the above-mentioned material is suitable for use in pharmaceutical and medical applications.

All data provided above are based on random samples taken from our ongoing production. The results were determined using standard test specimens in accordance with ISO, DIN, and ASTM methods. These results cannot be directly applied to specific finished components.

Any technical information or advice we provide—whether verbal, written, or based on testing—is given to the best of our knowledge. Nevertheless, this information should be regarded as non-binding guidance and does not release the user from the obligation to verify the suitability of our products for their intended process or application. Possible third-party property rights must also be observed.

Since the use, application, and processing of our products take place beyond our control, they remain solely the responsibility of the user. In any case where liability may arise, it shall be limited to damages not exceeding the value of the product supplied and used.

We do, however, guarantee the flawless quality of our products in accordance with our general terms and conditions of sale and delivery.

