

# MVQ diet

Methyl-vinyl-silicone-rubber

Standard colour: blue, similar RAL 5024

- Food-compliant MVQ; approval acc. FDA, recommended for approval acc. EU1935/2004
- Resistant to mineral oil, HFD-U and cold water
- Applicable for Rod and Piston Seals, Wiper Seals and Static Seals

Properties	Value	Unit	DIN Standard
<b>Hardness</b>	84 ± 5	Shore A	DIN 53505
<b>Density</b>	1,503	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 22°C/72h</b>		%	DIN ISO 815-1
<b>Compression set 70°C/24h</b>		%	DIN ISO 815-1
<b>Compression set 175°C/24h</b>	33,7	%	DIN ISO 815-1
<b>Elongation at break</b>	192	%	DIN 53504
<b>Tensile strength</b>	6,4	MPa	DIN 53504
<b>100% modulus</b>	5,3	MPa	DIN 53504
<b>Rebound resilience</b>	51	%	DIN 53512
<b>Abrasion</b>	108	mm <sup>3</sup>	DIN 53516
<b>Tear strength</b>	10,2	N/mm	DIN 53515
<b>min. service temperature</b>	- 50	°C	
<b>max. service temperature</b>	+210	°C	

## Confirmation according FDA

Hereby we, M. Wilhelmsen A/S, confirm, that all single components used for our compound named «**MVQ diet**» are listed on Code of Federal Regulation of U.S. Food and Drug Administration (FDA), Rockville MD.

They are mentioned under following subchapters: **21CFR 177.2600**

## Confirmation according EU1935/2004

The confirmation according FDA mentioned above provides an approval according EU1935/2004. Due to unavoidable technical factors or due to the form of delivery of the elastomeric pre-materials traces of non-specified impurities could be included. A compulsory test should be applied to the final product.

Allowed for contact with foods. Not permitted for medical articles (implants).