

# EPDM spring

Ethylene-propylene-diene-rubber

Standard colour: black

- EPDM approved for drinking water; recommended for approval acc. EU1935/2004
- Resistant to HFC, cold water, hot water and steam, diluted acids and bases
- Applicable for Static seals, Rod and Piston Seals, Wiper seals and Rotary seals

Properties	Value	Unit	DIN Standard
<b>hardness</b>	88 ± 5	Shore A	DIN 53505
<b>density</b>	1,17	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 22°C/72h</b>	9,1	%	DIN ISO 815-1
<b>Compression set 70°C/22h</b>	6,9	%	DIN ISO 815-1
<b>Compression set 100°C/22h</b>	9,6	%	DIN ISO 815-1
<b>Compression set 150°C/22h</b>	24,5	%	DIN ISO 815-1
<b>Elongation at break</b>	115	%	DIN 53504
<b>Tensile strength</b>	15,5	MPa	DIN 53504
<b>Rebound resilience</b>	49	%	DIN 53512
<b>Abrasion</b>	108	mm <sup>3</sup>	DIN 53516
<b>Tear strength</b>	3,6	N/mm	DIN 53515
<b>min. service temperature</b>	- 40	°C	
<b>max. service temperature</b>	+ 135	°C	

## Confirmation according KTW

Hereby we, M. Wilhelmsen A/S, confirm, that our compound named «**EPDM spring**» complies with foodstuff approval as below:

## KTW D1/D2 and DVGW W270

For drinking water according to the recommendation of the German Regulations on Commodities D1.3.13

## Confirmation according EU1935/2004

The confirmation according KTW 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).