



## EPDM 70 Compound 55985

ERIKS' 55985 is a peroxide cured EPDM compound developed for drinking water applications, but also suitable in food&beverage and pharmaceutical industry. (KIWA and NSF certifications are subjected to the manufacturing location)

### Characteristics

- Colour: Black
- Temp. resistance low: -45 °C
- Temp. resistance high: 150 °C
- Hardness tolerance: -5/+5

### Industries

- Drinking water distribution

### Approval & Compliancy details

- ACS
- ADI Free
- AfPS GS 2014:01 Cat.2
- Belgaqua
- Bisphenol A free
- CH-817.023.21
- EC1935:2004
- EN681-1 WA-WB-WC-WD
- FDA 21CFR177.2600 a-d, e, f
- KIWA-ATA
- NSF61
- REACH
- RoHS
- TSCA
- UBA Elastomerleitlinie
- USP <88> Class VI - 121°C
- W270
- WRAS

### Products

- Custom parts (moulded)
- Elastomet gaskets
- O-rings (moulded)



**Table: Physical Properties**

Property	Value	Unit
Hardness IRHD - Slab	68	
Hardness - Test standard	ISO48	
Compression set - Slab	15	%
Compression set - Duration @ temperature	22 hours at 150°C	
Compression set Test standard	ISO815	
Elongation at break	205	%
Elongation at break - Test standard	ISO37	
Tensile strength	12.2	MPa

Disclaimer: The datasheet shows typical values and is verified against internal material specifications. The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete. The information provided is not intended to be used without advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

### Table: Physical Properties

Tensile strength - Test standard	ISO37	
100% Modulus	3.5	MPa
100% Modulus - Test standard	ISO37	

### Table: Heat ageing

Property	Value	Unit
Heat ageing - Duration @ temperature	72 hours at 150°C	
Heat ageing - Hardness change IRHD	1	
Heat ageing - Elongation at break change	-2	%
Heat ageing - Tensile strength change	8	%
Heat ageing - Volume change	-0.8	%
Heat ageing - Test standard	ISO 188	

### Table: Water ageing

Property	Value	Unit
Water ageing - Duration @ temperature	70 hours at 100°C	
Water ageing - Hardness change IRHD	-3	
Water ageing - Elongation at break change	0	%
Water ageing - Tensile strength change	-5	%
Water ageing - Volume change	1.2	%
Water ageing - Test standard	ISO 1817	

### Table: Chloramine resistance 100ppm

Property	Value	Unit
Chloramine resistance 100ppm - Duration @ temperature	1344 hours at 80°C	
Chloramine resistance 100ppm - Hardness change - IRHD	-4	
Chloramine resistance 100ppm - Elongation at break change	7	%
Chloramine resistance 100ppm - Tensile strength change	8	%
Chloramine resistance 100ppm - Volume change	2	%

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**Table: Chloramine resistance 100ppm**

Property	Value	Unit
Chloramine resistance 100ppm - Test standard	ASTM D6284	