



# EPDM 70 compound 559270

ERIKS' 559270 is a specialist grade peroxide cured EPDM compound developed for food contact and has FDA 21 CFR 177.2600 and EC1935:2004 compliance.

#### Description

Chemical composition: Terpolymer of ethylene,

propylene and diene

Physical form: O-rings, moulded parts

Colour: Black

Temperature resistance: -50°C to +150°C

#### **Application**

- Food contact
- Wide range of chemicals

#### Compliances

- FDA 21 CFR 177.2600
- EC1935:2004
- ADI
- REACH
- RoHS

#### **Additional information**

- Extraction tested
- Migration tested
- Wide range of O-rings available from stock

Please consult our <u>Chemical Resistance Guide</u> for more information on this compound.











### Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 7619	69±5	IRHD
Elongation at break	ISO 37	185	%
Tensile strength	ISO 37	12	MPa
100% Modulus	ISO 37	3.6	MPa
<b>Compression set</b> – 24 hours at 125°C Slab	ISO 815	13	%
Low temperature resistance TR10	ISO 2921	-45	°C

## Table 2: Physical properties

Property	Test standard	Value	Unit
Heat ageing – 168 hours at 125°C Hardness change Elongation at break change Tensile strength change	ISO 188	+6 -15 -0.8	IRHD % %
Ageing water – 168 hours at 95°C Hardness change Elongation at break change Tensile strength change Volume change	ISO 1817	-0.2 +3 +3 +1.2	IRHD % % %

Disclaimer: 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 advice. ERIKS shall never be liable for damage resulting from the use of the information provided.

page 1/1