

## 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

### Compliances

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

### Application

- Food contact
- Wide range of chemicals

### Additional information

- EN1186 Migration tested
- FDA 21 CFR 177.2600 extraction tested
- Wide range of O-rings available from stock

Please consult our [Chemical Resistance Guide](#) 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
<b>Heat ageing</b> – 168 hours at 125°C	ISO 188		
Hardness change		+6	IRHD
Elongation at break change		-15	%
Tensile strength change		-0.8	%
<b>Ageing water</b> – 168 hours at 95°C	ISO 1817		
Hardness change		-0.2	IRHD
Elongation at break change		+3	%
Tensile strength change		+3	%
Volume change		+1.2	%

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