

## EPDM 70 Compound 559287



ERIKS' 559287 is a specialist grade peroxide cured EPDM compound developed for food contact and has FDA 21 CFR 177.2600, EC1935:2004 and 3-A 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

- Dairy
- Food contact

### Compliances

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

### Additional information

- Extraction tested
- Migration tested
- 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	ASTM D2240	70±5	Shore A
Elongation at break	ASTM D412	200	%
Tensile strength	ASTM D412	16.4	MPa
100% Modulus	ASTM D412	5	MPa
<b>Compression set</b> – 24 hours at 125°C Slab	ASTM 395	11	%
<b>Low temperature resistance</b> – 3 minutes at -40°C Non brittle	ASTM D2137	Pass	

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 168 hours at 70°C	ASTM D573		
Hardness change		-1	Shore A
Elongation change		+5	%
Tensile strength change		+4	%
Volume change		+0.9	%