

EPDM 70 Compound 559287



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

Additional information

- EN1186 migration tested
- FDA 21 CFR 177.2600 extraction 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
Compression set – 24 hours at 125°C Slab	ASTM 395	11	%
Low temperature resistance – 3 minutes at -40°C Non brittle	ASTM D2137	Pass	

Table 2: Ageing properties

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