



# 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 <u>Chemical Resistance Guide</u> 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	ASTM 395		
Slab		11	%
Low temperature resistance – 3 minutes at -40°C	ASTM D2137		
Non brittle		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	%

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