



EPDM 70 Compound 559270

559270 is a high temperature resistant EPDM developed for low-fat dairy and American and European food and beverage industry applications.

Characteristics

- Colour: Black
- Temp. resistance low: -50 °C
- Temp. resistance high: 150 °C
- Hardness tolerance: -5/+5

Industries

- Food & Beverage

Approval & Compliancy details

For Food & Beverage compliances, see Declaration of Compliance for typical application of the compound.

- 3-A Class II - low fat
- AfPS GS 2014:01 Cat.2
- EC1935/2004
- FDA 21CFR177.2600 a-d, e, f
- POP EU2019/1021
- REACH EU
- RoHS EU
- SR817.023.021
- TSCA 6(h)

Products

- Custom parts (moulded)
- O-rings (moulded)
- Triclamp seals



Table: Physical Properties

Property	Value	Unit
Hardness IRHD - Slab	69	
Hardness - Test standard	ISO48	
Compression set - Slab	13	%
Compression set - Duration @ temperature	24 hours at 125°C	
Compression set Test standard	ISO815	
Elongation at break	185	%
Elongation at break - Test standard	ISO37	
Tensile strength	12	MPa
Tensile strength - Test standard	ISO37	
100% Modulus	3.6	MPa
100% Modulus - Test standard	ISO37	
TR10 Low temperature resistance	-45	°C
TR10 Low temperature resistance - Test standard	ISO2921	

Table: Properties in Air

Property	Value	Unit
Properties in Air - Test standard	ISO 188	
Properties in Air - Duration @ temp	168 hours at 125°C	
Properties in Air - Tensile strength change	-8	%
Properties in Air - Elongation change	-15	%
Properties in Air - Volume change	-0.8	%
Properties in Air - Hardness IRHD change	6	

Table: Properties in Water

Property	Value	Unit
Properties in Water - Test standard	ISO 1817	
Properties in Water - Duration @ temp	168 hours at 95°C	
Properties in Water - Tensile strength change	3	%
Properties in Water - Elongation change	3	%
Properties in Water - Volume change	1,2	%
Properties in Water - Hardness IRHD change	-0,2	