



EPDM 70 Compound 559298

ERIKS' 559298 is a specialist grade EPDM compound developed for heat exchangers in HVAC applications.

Description

- **Chemical composition**: Terpolymer of ethylene, propylene and diene
- Physical form: O-rings, moulded parts
- Colour: Black
- Temperature resistance: -45°C to +150°C

Application

Hot water

Compliances

- ADI
- REACH
- RoHS

Please consult our <u>Chemical Resistance Guide</u> for more information on this compound.







Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	72±5	IRHD
Elongation at break	ISO 37	268	%
Tensile strength	ISO 37	16.8	MPa
100% Modulus	ISO 37	3.9	MPa
Compression set – 24 hours at 150°C	ISO 815		
Slab		16.9	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 150°C	ISO 188		
Hardness change		+2	Shore A
Elongation at break change		+2	%
Tensile strength change		+4	%
Volume change		+1.1	%
Ageing water – 70 hours at 100°C	ISO 1817		
Hardness change		-3	Shore A
Elongation at break change		+4	%
Tensile strength change		+2	%
Volume change		+1.9	%

M01060000029-en_14.08.2015

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