

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

Compliances

- ADI
- REACH
- RoHS

Application

- Hot water

Please consult our [Chemical Resistance Guide](#) 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 Slab	ISO 815	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	%