

## NBR 75 Compound 366540

ERIKS' 366540 is a specialist grade NBR compound developed for drinking water applications with NSF61 approval and WRAS certification.



### Description

**Chemical composition:** Acrylonitrile-butadiene rubber (nitrile)

**Physical form:** O-rings, moulded parts

**Colour:** Black

**Temperature resistance:** -30°C to +120°C

### Compliances

- NSF61
- WRAS
- ADI
- REACH
- RoHS

### Application

- Drinking water

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	74±5	Shore A
Elongation at break	ASTM D412	298	%
Tensile strength	ASTM D412	19.1	MPa
100% Modulus	ASTM D412	4.4	MPa
<b>Compression set</b> – 24 hours at 100°C Slab	ASTM D395	9	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 70 hours at 100°C	ASTM D573		
Hardness change		+2	Shore A
Elongation at break change		-22	%
Tensile strength change		-7	%
Volume change		0	%
<b>Ageing water</b> – 168 hours at 100°C	ASTM D471		
Hardness change		-2	Shore A
Elongation at break change		-11	%
Tensile strength change		-11	%
Volume change		+4.4	%