

NBR 60 Compound 366531

ERIKS' 366531 is a specialist grade peroxide cured NBR compound developed for drinking water applications.



Description

Chemical composition: Acrylonitrile-butadiene rubber (nitrile)

Physical form: O-rings, moulded parts

Colour: Black

Temperature resistance: -30°C to +100°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	60±5	Shore A
Elongation at break	ASTM D412	439	%
Tensile strength	ASTM D412	13.9	MPa
Compression set – 24 hours at 100°C Slab	ASTM D395	10.9	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 100°C	ASTM D573		
Hardness change		+6	Shore A
Elongation at break change		-16.2	%
Tensile strength change		+10.5	%
Ageing water – 70 hours at 100°C	ASTM D471		
Hardness change		-1	Shore A
Volume change		+5.2	%
Immersion in ASTM oil #1 – 70 hours at 100°C	ASTM D471		
Hardness change		+5	Shore A
Elongation at break change		-14.3	%
Tensile strength change		-2.3	%
Volume change		-7.8	%