



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

Application

Drinking water

Compliances

- NSF61
- WRAS 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	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
Compression set – 24 hours at 100°C	ASTM D395		
Slab		9	%

Table 2: Ageing properties

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

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