

NBR 70 Compound 366472



ERIKS' NBR is a specialist grade nitrile compound developed for food contact. The compound has a medium percentage of acrylonitrile, a good compression set as well as FDA 21 CFR 177.2600 compliance.

Description

Chemical composition: Acrylonitrile-butadiene rubber (nitrile)

Physical form: O-rings, moulded parts

Colour: White

Temperature resistance: -25°C to +110°C

Compliances

- FDA 21 CFR 177.2600
- ADI
- REACH
- RoHS

Application

- Food contact
- General purpose
- Hydrocarbons

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	70±5	Shore A
Elongation at break	ASTM D412	344	%
Tensile strength	ASTM D412	11.4	MPa
100% Modulus	ASTM D412	3.75	MPa
Compression set – 24 hours at 100°C Slab	ASTM D395	21	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 100°C	ASTM D573		
Hardness change		+5	Shore A
Elongation at break change		-12	%
Tensile strength change		+6	%
Volume change		-1.3	%