

## NBR 70 Compound 366470



ERIKS' NBR is a specialty grade nitrile compound developed for food contact. The compound has a medium percentage of acrylonitrile, a good compression set as well as FDA CFR 21§177.2600, EC1935:2004 and 3-A conformity.

### Description

- **Chemical composition:** Acrylonitrile-butadiene rubber (nitrile)
- **Physical form:** O-rings, moulded parts
- **Colour:** Black
- **Temperature resistance:** -30°C to 110°C

### Applications

- Food contact
- Dairy
- Hydrocarbons

### Approvals and compliances

- FDA CFR 21§177.2600
- EC1935:2004
- 3-A
- ADI
- REACH, RoHS

### Additional information

- Extraction tested

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	70±5	IRHD
Elongation at break	ISO 37	351	%
Tensile strength	ISO 37	17.3	MPa
100% Modulus	ISO 37	4	MPa
<b>Compression set</b> – 24 hours at 100°C Slab	ISO 815	20	%
Low temperature resistance TR10	ISO 2921	-16	°C

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 168 hours at 70°C	ISO 188		
Hardness change		+2	IRHD
Elongation at break change		-2	%
Tensile strength change		+2	%
Weight change		-0.2	%