



# 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 <u>Chemical Resistance Guide</u> 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
Compression set – 24 hours at 100°C	ISO 815		
Slab		20	%
Low temperature resistance TR10	ISO 2921	-16	°C

## Table 2: Ageing properties

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

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