



NBR 70 Compound 366470

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, EC1935:2004 and 3-A compliance.

Characteristics

- Colour: Black
- Temp. resistance low: -30 °C
- Temp. resistance high: 110 °C
- Hardness tolerance: -5/+5

Industries

- Food & Beverage

Approval & Compliancy details

For Food & Beverage compliances, see Declaration of Compliance for typical application of the compound.

- 3-A Class II
- EC1935/2004
- FDA 21CFR177.2600 a-d, e, f
- POP EU2019/1021
- REACH EU
- RoHS EU
- SR817.023.021
- TSCA 6(h)

Products

- Custom parts (moulded)
- O-rings (moulded)



Table: Physical Properties

Property	Value	Unit
Hardness IRHD - Slab	70	
Hardness - Test standard	ISO48	
Compression set - Slab	20	%
Compression set - Duration @ temperature	22 hours at 100°C	
Compression set Test standard	ISO815	
Elongation at break	351	%
Elongation at break - Test standard	ISO37	
Tensile strength	17.3	MPa
Tensile strength - Test standard	ISO37	
100% Modulus	4	MPa
100% Modulus - Test standard	ISO37	
TR10 Low temperature resistance	-16	°C
TR10 Low temperature resistance - Test standard	ISO2921	

Table: Properties in Air

Property	Value	Unit
Properties in Air - Test standard	ISO 188	
Properties in Air - Duration @ temp	168 hours at 70°C	
Properties in Air - Tensile strength change	2	%
Properties in Air - Elongation change	-2	%
Properties in Air - Volume change	-0.2	%
Properties in Air - Hardness IRHD change	2	