

HNBR 70 Compound 886172



ERIKS' 886172 is a specialist grade hydrogenated nitrile compound developed for food contact and dairy applications. The compound has a medium percentage of acrylonitrile and a good compression set as well as FDA CFR 21§177.2600, EC1935:2004 and 3-A conformity.

Description

Chemical composition: Hydrogenated NBR
Physical form: O-rings
Colour: Black
Temperature resistance: -40°C to +180°C

Compliances

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

Application

- Food contact
- Dairy

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	72±5	IRHD
Elongation at break	ISO 37	250	%
Tensile strength	ISO 37	16	MPa
Compression set – 70 hours at 125°C Slab	ISO 815	25	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 150°C	ISO 188		
Hardness change		+10	IRHD
Elongation at break change		-25	%
Tensile strength change		-15	%