

HNBR 90 Compound 88629



ERIKS' 88629 is a standard grade hydrogenated nitrile compound with a medium percentage of acrylonitrile and good chemical and mechanical properties.

Description

Chemical composition: Hydrogenated NBR

Physical form: O-rings, moulded parts

Colour: Black

Temperature resistance: -30°C to +150°C

Application

- Hot water
- Refrigerents
- Mineral oils and fuels
- High pressure

Compliances

- ADI
- REACH
- RoHS

Additional information

- Ozone resistant

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ASTM D2240	91±5	Shore A
Elongation at break	ASTM D412	160	%
Tensile strength	ASTM D412	23.5	MPa
100% Modulus	ASTM D412	16	MPa
Compression set – 24 hours at 150°C Slab	ASTM D395	15.7	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 150°C	ASTM D865		
Hardness change		+7	Shore A
Elongation at break change		-20	%
Tensile strength change		+4	%
Immersion in IRM 901 oil – 70 hours at 150°C	ASTM D471		
Hardness change		+6	Shore A
Elongation at break change		-11	%
Tensile strength change		+2	%
Volume change		-3.6	%