

NBR 70 Compound 36624

ERIKS' 36624 is a standard grade nitrile compound with a medium percentage of acrylonitrile and good compression set values.



Description

- **Chemical composition:** Acrylonitrile-butadiene rubber (nitrile)
- **Physical form:** O-rings, moulded parts
- **Colour:** Black
- **Temperature resistance:** -30°C to 120°C

Applications

- General purpose
- Hydrocarbons

Compliances

- ADI
- REACH
- RoHS

Additional information

- Wide range of O-rings available from stock

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	68±5	IRHD
Elongation at break	ISO 37	250	%
Tensile strength	ISO 37	13	MPa
Compression set – 24 hours at 100°C Slab	ISO 815	12	%
Low temperature resistance TR10	ISO 2921	-25	°C

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 100°C	ISO 188		
Hardness change		+6	IRHD
Elongation at break change		-15	%
Tensile strength change		+5	%
Immersion ASTM oil #3 – 70 hours at 100°C	ISO 1817		
Hardness change		-5	IRHD
Elongation at break change		-10	%
Tensile strength change		-4	%
Volume change		+9	%