

NBR 70 Compound 366221



ERIKS' 366221 is a specialist grade nitrile compound designed for gas distribution applications. The compound has a medium percentage of acrylonitrile and good compression set values at low temperatures.

Description

Chemical composition: Acrylonitrile-butadiene rubber (nitrile)

Physical form: O-rings, moulded parts

Colour: Black

Temperature resistance: -30°C to +120°C

Compliances

- EN682 GBL
- ADI
- REACH
- RoHS

Application

- Gas distribution
- Low temperatures

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 48	73±5	Shore A
Elongation at break	ISO 37	350	%
Tensile strength	ISO 37	18.3	MPa
100% Modulus	ISO 37	5	MPa
Compression set – 24 hours at 70°C Slab	ISO 815	5.2	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 168 hours at 70°C	ISO 188		
Hardness change		+3	Shore A
Elongation at break change		+2.6	%
Tensile strength change		-4	%
Immersion in ASTM Fuel B – 168 hours at 23°C	ISO 1817		
Hardness change		-12	Shore A
Volume change		+27	%
Immersion in ASTM Fuel B – 168 hours at 23°C and air drying 4 days at 70°C	ISO 1817		
Hardness change		+7	Shore A
Volume change		-8.6	%