

NBR 70 Compound 366300



ERIKS' 366300 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

- EN549 B2 H3
- 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	70±5	Shore A
Elongation at break	ISO 37	365	%
Tensile strength	ISO 37	17.1	MPa
100% Modulus	ISO 37	4	MPa
Compression set – 24 hours at 100°C Slab	ISO 815	8.3	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
Heat ageing – 70 hours at 100°C	ISO 188		
Hardness change		+2	Shore A
Elongation at break change		-12.1	%
Tensile strength change		+5.5	%
Immersion in ASTM oil #1 – 70 hours at 100°C	ISO 1817		
Hardness change		-2	Shore A
Elongation at break change		-6.5	%
Tensile strength change		+1.9	%
Volume change		+1.3	%