

## NBR 80 Compound 44601

ERIKS' 44601 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
- **Colour:** Black
- **Temperature resistance:** -30°C to +120°C

### Compliances

- ADI
- REACH
- RoHS

### Application

- General purpose
- Hydrocarbons

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



Table 1: Physical properties

Property	Test standard	Value	Unit
Hardness	ISO 7619-1	80±5	Shore A
Elongation at break	ISO 37	165	%
Tensile strength	ISO 37	14.5	MPa
100% Modulus	ISO 37	11	MPa
<b>Compression set</b> – 24 hours at 100°C Slab	ISO 815	9	%

Table 2: Ageing properties

Property	Test standard	Value	Unit
<b>Heat ageing</b> – 70 hours at 100°C	ISO 188		
Hardness change		+4	Shore A
Elongation at break change		-18	%
Tensile strength change		-4	%