NBR

What is NBR?

NBR has excellent oil resistance thanks to the polar nitrile functionalities along the polymer chain. NBR is usually preferred for applications involving exposure to oil, fat, grease and fuel due to its excellent resistance to non-polar fluid as well as to wear. The service temperature range of NBR is typically between -30 to 90°C.

Properties of NBR

- High resistance to oils
- High resistance to petrol and other petroleum products
- High resistance to greases
- Good resistance to heat
- Good resistance to chemicals

Declarations of conformity	Country	Explanation	Conformity
REACH (EC) 1907/2006	EU		Yes
RoHS	EU		Yes
BfR	DE	food contact	No*
FDA	USA	FDA § 177.2600	No*
(EG) 1935/2004	EU	food contact	No*
(EG) 2023/2006 (GMP)	EU	GMP	No*
3-A Sanitary	USA		No*
USP	USA		No*
ACS	F	drinking water	No*
DIN EN 681	EU		No*
Kiwa	NL		No*

**Compliance statements here are only applicable for the standard items showcased in our portfolio. Sigma Polymer Group has the capabilities to tailor products according to your specific conformity requirements.*

Abrasion resistance
3

Oil and fuel resistance
3 - 4

Oxidations resistance
2 - 3

Ozone resistance
1 - 2

Water resistance
3 - 4

Fire resistance
1

Resistance grades

5 Excellent
4 Very good
3 Good
2 Fair
1 Bad