



NBR solid

Nitrile-butadiene-rubber

Standard colour: **Black**

- Hard NBR
- Resistant against mineral oil, HFC and cold water
- Applicable for Rod and Piston seals, Wiper seals, Rotary seals and Static seals.

Properties	Unit	Din Standard	Value
Hardness	Shore A	DIN53505	90 ± 5
Density	g/cm ³	DIN EN ISO 1183-1	1.229
Compression set 23°C/72h	%	DIN ISO 815-1	9.5
Compression set 100°C/24h	%	DIN ISO 815-1	18.5
Elongation at break	%	DIN53504	82
Tensile strength	MPa	DIN53504	18.7
50% modulus	MPa	DIN53504	11.1
Rebound resilience	%	DIN53512	26
Abrasion	mm ³	DIN53516	130
Tear strength	N/mm	DIN53515	3
Min. service temperature	°C		-30
Max. service temperature	°C		+110

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered, and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.