



HNBR solid

Hydrog. acrylonitrile-butadiene-rubber

Standard Colour: **Black**

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

Properties	Unit	Din Standard	Value
Hardness	Shore A	DIN53505	95 ± 5
Density	g/cm ³	DIN EN ISO 1183-1	1.243
Compression set 100°C/24h	%	DIN ISO 815-1	34.9
Compression set 150°C/24h	%	DIN ISO 815-1	36.9
Elongation at break	%	DIN53504	137
Tensile strength	N/mm ²	DIN53504	22.7
100% modulus	MPa	DIN53504	19.2
Rebound resilience	%	DIN53512	25
Abrasion	mm ³	DIN53516	117
Tear strength	N/mm	DIN53515	5.1
Min. service temperature	°C		-20
Max. service temperature constant	°C		+150

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.