

XNBR solid

CarboXylated Nitrile-Butadiene-Rubber, black

- XNBR in harder setting, improved elasticity and abrasion resistance in comp. to NBR solid
- Resistant to mineral oil, HFC and cold water
- Applicable for Rod and Piston Seals, Wiper Seals, Rotary Seals and Static Seals

Properties	Value	Unit	DIN Standard
Hardness	89 ± 5	Shore A	DIN ISO 7619-1
Density	1,26	g/cm ³	DIN EN ISO 1183-1
100% Modulus	16,1	MPa	DIN 53504
Elongation at break	21,4	MPa	DIN 53504
Tensile strength	144	%	DIN 53504
Compression set 23°C/70h	13,1	%	DIN ISO 815-1
Compression set 70°C/22h	9,9	%	DIN ISO 815-1
Compression set 100°C/22h	12,9	%	DIN ISO 815-1
Rebound resilience	19	%	DIN ISO 4662:2017
Tear resistance	3,9	N/mm	DIN ISO 34-1 A
Abrasion resistance		mm ³	DIN ISO 4649 B
min. Service temperature	-30	°C	
max. Service temperature	+110	°C	

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.