

# HNBR diet

Hydrog. acrylnitrile-butadiene-rubber

Standard colour: green, similar RAL 6017

- ⊗ Food-compliant HNBR
- ⊗ 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	82 ± 5	Shore A	DIN 53505
Density	1,436	g/cm <sup>3</sup>	DIN EN ISO 1183-1
Compression set 100°C/24h	31,0	%	DIN ISO 815-1
Compression set 150°C/24h	40,7	%	DIN ISO 815-1
Elongation at break	499	%	DIN 53504
Tensile strength	9,5	MPa	DIN 53504
100% modulus	4,4	MPa	DIN 53504
Rebound resilience	29	%	DIN 53512
Abrasion	110	mm <sup>3</sup>	DIN 53516
Tear strength	12,8	N/mm	DIN 53515
min. service temperature	-30	°C	
max. service temperature	150	°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.

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