

H-NBR solid

Hydrogenated acrylnitrile-butadiene-rubber, black

- HNBR in harder setting
- Resistant to mineral oil, HFC fluids, cold and sea water
- Applicable for static seals, rod and piston seals, wiper seals and rotary seals

Properties	Value	Unit	DIN Standard
Hardness	95 ±5	Shore A	DIN ISO 7619-1
Density	1,243	g/cm ³	DIN EN ISO 1183-1
100% Modulus	19,2	MPa	DIN 53504
Elongation at break	137	%	DIN 53504
Tensile strength	22,7	MPa	DIN 53504
Compression set 23°C/70h	15,0	%	DIN ISO 815-1
Compression set 100°C/22h	34,9	%	DIN ISO 815-1
Compression set 150°C/22h	36,9	%	DIN ISO 815-1
Rebound resilience	25	%	DIN ISO 4662:2017
Tear resistance	5,1	N/mm	DIN ISO 34-1 A
Abrasion resistance	117	mm ³	DIN ISO 4649 B
min. Service temperature	-20	°C	
max. Service temperature	+150	°C	

All above stated data result from random tests which were taken from the ongoing production. All data were established based on standard test-specimen according to ISO, DIN and ASTM standards and can basically not be carried over to the construction element.

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