

NBR solid

Acrylnitrile-butadiene-rubber, black

- NBR in harder setting, for general applications
- 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	90 ±5	Shore A	DIN ISO 7619-1
Density	1,229	g/cm ³	DIN EN ISO 1183-1
50% Modulus	11,1	MPa	DIN 53504
Elongation at break	82	%	DIN 53504
Tensile strength	18,7	MPa	DIN 53504
Compression set 23°C/70h	9,5	%	DIN ISO 815-1
Compression set 70°C/22h	17,8	%	DIN ISO 815-1
Compression set 100°C/22h	18,5	%	DIN ISO 815-1
Rebound resilience	26	%	DIN ISO 4662:2017
Tear resistance	3,3	N/mm	DIN ISO 34-1 A
Abrasion resistance	165	mm ³	DIN ISO 4649 B
min. Service temperature	-30	°C	
max. Service temperature	+110	°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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