



# NBR solid

Nitrile-butadiene-rubber

Standard colour: black

- Hard NBR
- 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
<b>Hardness</b>	90 ± 5	Shore A	DIN 53505
<b>Density</b>	1,229	g/cm <sup>3</sup>	DIN EN ISO 1183-1
<b>Compression set 23°C/72h</b>	9,5	%	DIN ISO 815-1
<b>Compression set 100°C/24h</b>	18,5	%	DIN ISO 815-1
<b>Elongation at break</b>	82	%	DIN 53504
<b>Tensile strength</b>	18,7	MPa	DIN 53504
<b>50% Modulus</b>	11,1	MPa	DIN 53504
<b>Rebound resilience</b>	26	%	DIN 53512
<b>Abrasion</b>	130	mm <sup>3</sup>	DIN 53516
<b>Tear strength</b>	3	N/mm	DIN 53515
<b>min. service temperature</b>	-30	°C	
<b>max. service temperature</b>	+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.

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