

# NBR mellow

## Acrylnitrile-butadiene-rubber, black

- NBR in softer 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	73 ±5	Shore A	DIN ISO 7619-1
Density	1,220	g/cm <sup>3</sup>	DIN EN ISO 1183-1
100% Modulus	6,1	MPa	DIN 53504
Elongation at break	238	%	DIN 53504
Tensile strength	14,0	MPa	DIN 53504
Compression set 23°C/70h	3,3	%	DIN ISO 815-1
Compression set 70°C/22h	5,9	%	DIN ISO 815-1
Compression set 100°C/22h	9,9	%	DIN ISO 815-1
Rebound resilience	31	%	DIN ISO 4662:2017
Tear resistance	4,4	N/mm	DIN ISO 34-1 A
Abrasion resistance	136	mm <sup>3</sup>	DIN ISO 4649 B
min. Service temperature	-35	°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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