

HNBR 80 / 80-09-V8000

80 ShA / peroxide crosslinked / black

- Hydrogenated nitrile butadiene rubber
- Standard material
- Exceptionally good thermal properties in the high and low temperature range.
- Very good resistance to ozone, ageing and weathering, high mechanical properties.
- Good resistance to oils, animal and vegetable fats, hydrocarbons and gas.
- Very good resistance to water and steam.

Property	Value	Unit	DIN Standard
Hardness	80 ±5	Shore A	DIN ISO 7619-1
Density	1,22	g/cm ³	DIN EN ISO 1183-1
Tensile strength at 100% elongation	9,4	N/mm ²	DIN 53504
Elongation at break	229	%	DIN 53504
Tensile strength	20,2	N/mm ²	DIN 53504
Compression set 100°C/24h	20,2	%	DIN ISO 815-1 B
Compression set 150°C/24h	22,3	%	DIN ISO 815-1 B
Rebound resilience	28	%	DIN ISO 53512
Tear resistance	6,6	N/mm	DIN ISO 34-1 A
Abrasion	115	mm ³	DIN ISO 4649 B
min. operating temperature	-20	°C	dynamic
min. operating temperature	-25	°C	constantly
max. operating temperature	+150	°C	constantly
max. operating temperature short	+180	°C	couple of hours

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.

Our applied technical advice, either oral, written or through tests is given according to our best knowledge. However, this information is to be considered as non-obligatory instruction, also in terms of any protective rights of a third party, and does not exempt you from testing our product in reference to its suitability for the intended process and purpose. Utilisation, application and processing of the products occur entirely outside of our control and are therefore exclusively your responsibility. However, should a case of liability come into question, it will be limited to all damages in the value of the product which we delivered and you used. By all means, we do warrant the impeccable quality of our products in accordance with our general sales and delivery conditions.