

HNBR 70 / 80-09-V7000

70 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	70 ±5	Shore A	DIN ISO 7619-1
Density	1,27 ±0,03	g/cm ³	DIN EN ISO 1183-1 A
Tensile strength at 100% elongation	--	N/mm ²	DIN 53504
Elongation at break	302	%	DIN 53504
Tensile strength	21,6	N/mm ²	DIN 53504
Compression set 70°C/24h	13,4	%	DIN ISO 815
Compression set 150°C/22h	15,1	%	DIN ISO 815
Rebound resilience	39	%	DIN ISO 53512
Tear resistance	9,3	N/mm	DIN ISO 34-1 A
Tear resistance	17,9	N/mm	DIN ISO 34-1 B
min. operating temperature	-40	°C	constantly
max. operating temperature	+150	°C	constantly
TR 10 value	-42	°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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