

# HNBR 70 / 80-09-70004

70 ShA / peroxide crosslinked / black

- Hydrogenated acrylonitrile-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	1,18	g/cm <sup>3</sup>	DIN EN ISO 1183-1
Tensile strength at 100% elongation	5,5	N/mm <sup>2</sup>	DIN 53504
Elongation at break	349	%	DIN 53504
Tensile strength	22,3	N/mm <sup>2</sup>	DIN 53504
Compression set 100°C/24h	20,7	%	DIN ISO 815-1 B
Compression set 150°C/24h	22,7	%	DIN ISO 815-1 B
Rebound resilience	38	%	DIN ISO 53512
Tear resistance	7,6	N/mm	DIN ISO 34-1 A
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.

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