

HNBR 85 / 80-09-V8503

85 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 | 85 ±5 | Shore A | DIN ISO 7619-1 |
| Density | 1,24 | g/cm ³ | DIN EN ISO 1183-1 |
| Tensile strength at 300% elongation | 9,4 | N/mm ² | DIN 53504 |
| Elongation at break | 291 | % | DIN 53504 |
| Tensile strength | 23,4 | N/mm ² | DIN 53504 |
| Compression set 23°C/72h | 13 | % | DIN ISO 815-1 B |
| Compression set 150°C/22h | 17 | % | DIN ISO 815-1 B |
| Rebound resilience | 30 | % | DIN ISO 53512 |
| Tear resistance | 4,8 | N/mm | DIN ISO 34-1 |
| min. operating temperature | -20 | °C | static |
| min. operating temperature | -15 | °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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