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Datasheet

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| | |
|----------------------------|---|
| COG-No. | HNBR 410 |
| Basic elastomere | Hydrogenated nitrile rubber (HNBR) |
| Colour | black |
| Case hardening temperature | from -20 °C to +150 °C |
| License / Certificate | according to FDA regulations §177.2600 |

Typical properties

| Properties | Unit | Value | Testing methods |
|-----------------------------------|-----------|----------|--------------------|
| Hardness | Shore A | 70 ± 5 | DIN 53 505 |
| | °IRHD, CM | 77 +3/-8 | DIN ISO 48 |
| Tensile strength | MPa | 16,0 | DIN 53 504 |
| Ultimate elongation | % | 442 | DIN 53 504 |
| Tear strength | kN/m | 23,2 | DIN ISO 34-1, B(a) |
| Compression set (24 h /100° C) | % | 25 | DIN 53 517 |

Hydrogenated nitrile rubber (HNBR)

Seals made of HNBR rubber are characterised by a very wide property spectrum: highly resistant to technical oils containing additives; low steam and gas permeability; cold-flexible; good resistance to ozone as well as high abrasion resistance. HNBR seals withstand heat to +150 °C.

The mentioned values are average values and result from a limited number of laboratory tests. These tests were performed on standard test specimens and may therefore vary significantly from the values that were determined by means of tests performed on finished parts. On the basis of his own tests, the purchaser must ensure that the product is suitable for the intended application purpose.

Our recommendations are provided according to the best of our knowledge. However, they are not binding and exclude any form of liability for any kind of damage.