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Datasheet

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COG-No.	HNBR 420
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	90 ± 5	DIN 53 505
	°IRHD, CM	92 +3/-8	DIN ISO 48
Tensile strength	MPa	11,9	DIN 53 504
Ultimate elongation	%	204	DIN 53 504
Tear strength	kN/m	25,3	DIN ISO 34-1, B(a)
Compression set (22 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.