

**C. OTTO GEHRCKENS. DICHTUNGSTECHNIK**

Postfach 1453 . 25404 Pinneberg . Gehrstücken 9 . 25421 Pinneberg

Telefon (04101) 5002-0 . Telefax (04101) 5002-83 . eMail info@cog.de

Datasheet

date 22.11.2006

COG-No.	P 431 A
Basic elastomere	Nitrile rubber (NBR)
Colour	black
Case hardening temperature	from -10 °C to +120 °C
License / Certificate	

Typical properties

Properties	Unit	Value	Testing methods
Hardness	Shore A	75 ± 5	DIN 53 505
	°IRHD, CM	73 +3/-8	DIN ISO 48
Tensile strength	MPa	> 11	DIN 53 504
Ultimate elongation	%	> 250	DIN 53 504
Tear strength	N/mm	6,0	DIN 53 507 B
Compression set (22 h /100° C)	%	< 25	DIN 53 517
TR-10	° C	-11,2	ASTM D 1329

Nitrile rubber (NBR)

NBR rubber is above all effective against oils, especially hydraulic oils, lubricants, petrol and other aliphatic hydrocarbons, diluted acids and alkalis. Good physical characteristics such as abrasion resistance and collapse resistance and a wide temperature range guarantee wide application for this type of rubber.

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.