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Datasheet

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COG-No.	AP 500
Basic elastomere	Ethylene-propylene-diene rubber (EPDM)
Colour	black
Case hardening temperature	from -50 °C to +130 °C
License / Certificate	

Typical properties

Properties	Unit	Value	Testing methods
Hardness	Shore A	80 ± 5	DIN 53 505
	°IRHD, CM	82 +3/-8	DIN ISO 48
Tensile strength	MPa	> 10	DIN 53 504
Ultimate elongation	%	> 200	DIN 53 504
Tear strength	N/mm	5,0	DIN 53 507 B
Compression set (22 h /100° C)	%	< 30	DIN 53 517

Ethylene-propylene-diene rubber (EPDM)

Use of this rubber is indicated when good hot water and steam resistance is required. EPDM is also very resistant to ageing and ozone. Compared with the usual types of synthetic rubber, it has good resistance to hot temperatures. Very good behavior in the presence of oxidizing agents.

EPDM is not resistant against aliphatic and aromatic hydrocarbons and mineral oil products.

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.