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Datasheet

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COG-No.	PU 50
Basic elastomere	Polyester urethane rubber (AU)
Colour	black
Case hardening temperature	from -30 °C to +125 °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	28,6	DIN 53 504
Ultimate elongation	%	260	DIN 53 504
Tear strength	N/mm	4,4	DIN 53 507 B
	%	20	DIN ISO 815
TR-10	° C	-33	ASTM D 1329

Polyester urethane rubber (AU)

Seals made from polyurethane rubber feature a wide range of capabilities: polyurethane O-ring seals have very good mechanical properties of resistance to earring and wear, rebound resilience, and have good gas-tight properties. Excellent resistance to fuel, and to many other common technical oils, especially those with higher aromatics content. Thanks to its resistance to high temperatures and outstanding resistance to oxygen and ozone, an O-ring seal of polyurethane rubber can be expected to last a long time.

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.