

Material

75 NBR 106200

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Physical properties

	required	actual	
Density DIN EN ISO 1183-1	1.44 ±0.02	1.44	g/cm ³
Hardness DIN ISO 7619-1	75 ±5	75	Shore
Rebound resilience DIN 53512	> 25	36	%
Modulus 100 %, DIN 53504, S2	> 4	6.5	MPa
Tensile strength DIN 53504, S2	> 10	12.5	MPa
Elongation at break DIN 53504, S2	> 250	360	%
Low Temperature DIN 53765, DSC	---	-30	°C



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Tested after ASTM D 2000: M 2 CH 710 A25 EO15 EO35 Z1 Z2

		required	actual
Hardness	Shore	70 ±5	76
Tensile strength	MPa	min. 10	14.2
Elongation at break	%	min. 250	394
A25 Change after aging in Air 70h/125°C			
Hardness	Shore	0 to 15	9
Tensile strength	%	-25	8
Elongation at break	%	-50	-31
EO15 Change after aging in IRM 901 70h/125°C			
Hardness	Shore	0 to 10	6
Tensile strength	%	-20	14
Elongation at break	%	-35	-27
Volume	%	-15 to 5	-4.9
EO35 Change after aging in IRM 903 70h/125°C			
Hardness	Shore	±10	-4
Tensile strength	%	-15	4
Elongation at break	%	-30	-26
Volume	%	0 to 25	10.2
Z1 Hardness DIN ISO 7619-1, Shore A, 23 °C	Shore	75 ±5	76
Z2 Compression set ASTM D 395, B, 22 h, 100 °C, 25 %	%	---	28

Temperature-range: - 40 °C to 100 °C

Preferred area of applications: Radial Shaft Seals.

Very good resistance in motor oil based on mineral oil

Compliant with the EU-directives 2011/65/EC (RoHS) and 2002/95/EC (RoHS).

Attention!

In synthetic oils (polyalkylene-glycols / polyalphaolefins) please consider that the max. working



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temperature mustn't exceed 80 °C

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

