

Technical data sheet in accordance with ASTM

Material

75 NBR 106200

black

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Physical properties

Hardness

JIS K6253, Shore A

nominal range

75 ±5

typical values

76

Shore

Tensile strength

JIS K6251

>= 10

12.8

MPa

Elongation at Break

JIS K6251

>= 125

437

%

Compression set

JIS K6262, 22 h, 100 °C

29

%

Temperature range

-40°C to 100°C

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
ADI Free			see certificate		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

Change after aging

in Air: 70h/100°C

Typ. values

Base value After aging difference

Hardness (JIS K6257, Shore A)	Shore	76	78	2
Tensile strength (JIS K6257)	MPa	12.8	13.5	5 %
Elongation at Break (JIS K6257)	%	437	403	-8 %

Change after aging

in ASTM-Oil No. 1: 70h/100°C

Typ. values

Base value After aging difference

Hardness (JIS K6258, Shore A)	Shore	75	79	4
Tensile strength (JIS K6258)	MPa	12.8	14.8	16 %
Elongation at Break (JIS K6258)	%	437	342	-22 %
volume change (JIS K6258)	%		-4.3	

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Change after aging in IRM 903: 70h/100°C

Typ. values

Hardness (JIS K6258, Shore A)
Tensile strength (JIS K6258)
Elongation at Break (JIS K6258)
volume change (JIS K6258)

	Base value	After aging	difference
Shore	75	70	-5
MPa	12.8	12.6	-2 %
%	437	311	-29 %
%		9.1	

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

		nominal range	typical values	
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

Preferred area of applications: Radial Shaft Seals.

Very good resistance in motor oil based on mineral oil

Attention!

In synthetic oils (polyalkylene-glycols / polyalphaolefins) please consider that the max. working temperature mustn't exceed 80

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°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 manufacturing 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.

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