Technical data sheet in accordance with ASTM

Material
75 NBR 106200
black

revision index	revision date		
9	10/5/2018	**page**	1 / 4

Physical properties	**nominal range**	**typical values**	
Hardness JIS K6253, Shore A	75 ±5	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		☑
RoHS conform		including EU 2011/65 and EU2015/863 (ROHS III)		☑

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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revision index	revision date		page
9	10/5/2018		2 / 4

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

		Typ. values		
		Base value	After aging	difference
Hardness (JIS K6258, Shore A)	Shore	75	70	-5
Tensile strength (JIS K6258)	MPa	12.8	12.6	-2 %
Elongation at Break (JIS K6258)	%	437	311	-29 %
volume change (JIS K6258)	%		9.1	

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revision index	revision date		
9	10/5/2018	**page**	3 / 4

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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revision index	revision date		
9	10/5/2018	**page**	4 / 4

°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 provisons do not plan for something else.

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