

Material

72 NBR 99041

blue

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Physical properties		required	actual		
Density DIN EN ISO 1183-1		1.37 ±0.02	1.37		g/cm ³
Hardness DIN ISO 7619-1		70 ±5	68		Shore
Micro hardness DIN ISO 48 Verfahren M		---	72		IRHD
Tensile strength DIN 53504, S2		> 11.5	15.3		MPa
Elongation at break DIN 53504, S2		> 400	576		%
Compression set DIN ISO 815, 22 h, 100 °C		< 30	22		%
Low Temperature DIN 53765, nach DSC		---	-30		°C

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Tested after ASTM D 2000: M 2 BG 710 B14 EO14 EO34 Z1

		required	actual
Hardness	Shore	70 ±5	70
Tensile strength	MPa	min. 10	14.1
Elongation at break	%	min. 250	550
Change after aging in Air 70h/100°C			
Hardness	Shore A	---	6
Tensile strength	%	---	10
Elongation at break	%	---	-25
B14 Compression set 22h/100°C	%	25	21
EO14 Change after aging in IRM 901 70h/100°C			
Hardness	Shore A	-5 to 10	6
Tensile strength	%	-25	-5
Elongation at break	%	-45	-20
Volume	%	-10 to 5	-6
EO34 Change after aging in IRM 903 70h/100°C			
Hardness	Shore A	-10 to 5	-8
Tensile strength	%	-45	-20
Elongation at break	%	-45	-20
Volume	%	0 to 25	13
Low-temperature resistance 3min./-35°C			
	°C	---	1
Z1 Density DIN EN ISO 1183, 23 °C	g/cm ³	---	1.38 ±0.02

Temperature-range: - 40 °C to + 100 °C

Area of application: Usit-rings

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

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.