

Material

70 NBR 33002

black

revision index	revision date			page	1 / 3
5	12/19/2014				
Physical properties		required	actual		
Density DIN EN ISO 1183-1, 23 °C		1.24 ±0.02	---	g/cm ³	
Hardness DIN ISO 7619-1, Shore A, 23 °C		70 ±5	---	Shore	
Modulus 100 %, DIN 53504, S2, 23 °C		---	---	MPa	
Tensile strength DIN 53504, S2, 23 °C		> 14	---	MPa	
Elongation at Break DIN 53504, S2, 23 °C		> 250	---	%	
Compression set ASTM D 395, B, 22 h, 100 °C, 25 %		< 25	---	%	

Material

70 NBR 33002

black

revision index

5

revision date

12/19/2014

page

2 / 3

Tested after ASTM D 2000: M 2 BG 714 B14 EA14 EF11 EF21 EO14 EO34

		required	actual
Hardness	Shore	70 ±5	0
Tensile strength	MPa	min. 14	0
Elongation at break	%	min. 250	0
B14 Compression set 22h/100°C	%	25	0
EA14 Change after aging in Distilled water 70h/100°C			
Hardness	Shore A	±10	0
Volume	%	±15	0
EF11 Change after aging in Fuel A 70h/23°C			
Hardness	Shore A	±10	0
Tensile strength	%	-25	0
Elongation at break	%	-25	0
Volume	%	-5 to 10	0
EF21 Change after aging in Fuel B 70h/23°C			
Hardness	Shore A	0 to -30	0
Tensile strength	%	-60	0
Elongation at break	%	-60	0
Volume	%	0 to 40	0
EO14 Change after aging in IRM 901 70h/100°C			
Hardness	Shore A	-5 to 10	0
Tensile strength	%	-25	0
Elongation at break	%	-45	0
Volume	%	-10 to 5	0
EO34 Change after aging in IRM 903 70h/100°C			
Hardness	Shore A	-10 to 5	0
Tensile strength	%	-45	0
Elongation at break	%	-45	0
Volume	%	0 to 25	0

Temperature-range: -20 °C to 100 °C (static -30 °C to 100 °C)

Compliant with the EU-directive 2002/95/EG (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.

Material

70 NBR 33002

black

revision index

revision date

5

12/19/2014

page

3 / 3

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.