

Material

70 NBR NB703430

Version
06

Released on
09.07.2025

General Data

Colour: black
 Type of cross-linking: Sulfur

Physical Properties

	Nominal Range	Typical Value	
Density ASTM D297	1.38 ±0.02	1.38	g/cm ³
Hardness ASTM D2240, Shore A	70 ±5	71	Shore
Tensile strength ASTM D412	>14	14.6	MPa
Elongation at break ASTM D412	>250	429	%
Compression set ASTM D395, Prüfkörper B, 22 h, 100 °C	<25	3	%
Low temperature ASTM D1329, TR10		-29	°C

Temperature Range

static: -40 to 100 °C

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Tested after ASTM D 2000: M 2 BG 7 14

ASTM Property	Nominal Range	Typical Value
Hardness	Shore	71.00
Tensile strength	MPa	14.60
Elongation at break	%	429.00
<i>A14 Air 70.00h/100.00°C</i>		
Tensile strength	MPa	1.00
Elongation at break	%	-21.00
Hardness	Shore	5.00
<i>B14 22.00h/100.00°C</i>		
Compression set	%	3.00
<i>EA14 Distilled Water 70.00h/100.00°C</i>		
Volume change	%	2.00
Hardness	Shore	2.00
<i>EF11 Fuel A 70.00h/23.00°C</i>		
Volume change	%	3.00
Hardness	Shore	-2.00
Elongation at break	%	-11.00
Tensile strength	MPa	-11.00
<i>EF21 Fuel B 70.00h/23.00°C</i>		
Hardness	Shore	-15.00
Volume change	%	28.00
Tensile strength	MPa	-35.00
Elongation at break	%	-43.00
<i>EO14 IRM 901 70.00h/100.00°C</i>		
Elongation at break	%	-21.00

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Volume change	%	-4.00	
Hardness	Shore	5.00	
Tensile strength	MPa	1.00	
EO34 IRM 903 70.00h/100.00°C			
Volume change	%	10.00	
Elongation at break	%	-22.00	
Hardness	Shore	-8.00	
Tensile strength	MPa	-4.00	

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