

# Material

## NBR NB702719

black

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN 53479, 23 °C	1.23 ±0.02	1.23	g/cm <sup>3</sup>
<b>Hardness</b> DIN 53505, Shore A, 23 °C	70 ±5	70	Shore
<b>Tensile strength</b> DIN 53504, 23 °C	---	14.8	MPa
<b>Elongation at break</b> DIN 53504, 23 °C	---	308	%
<b>Tear strength</b> DIN 53515, 23 °C	---	44.4	KN/m
<b>Compression set</b> DIN 53517, Slab A, 72 h, 100 °C, 25 %	---	10.2	%
<b>Low temperature test</b> ASTM D1329, TR10	---	-25.5	°C
<b>Low temperature test</b> ASTM D1329, TR30	---	-19.8	°C
<b>Low-temperature resistance</b> ASTM D 2137, Brittleness Point	---	-32	
<b>Temperature range</b>	-35°C to 100°C		

### Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
ADI Free			see certificate	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

### Freudenberg

Freudenberg Industrial Services GmbH  
 Global Material Technology  
 Nadja Güldner

Telefon: -  
 Fax: -  
 Email: FIS.Compound.CRC@fst.com



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### Change after aging in Air: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)  
 Tensile strength (DIN 53504, 23 °C)  
 Elongation at break (DIN 53504, 23 °C)

Shore  
 MPa  
 %

Typ. values			
Base value	After aging	difference	
70	75.5	6	
14.8	13.5	-9 %	
308	216.2	-30 %	

### Change after aging in ASTM-Oil No. 1: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)  
 Tensile strength (DIN 53504, 23 °C)  
 Elongation at break (DIN 53504, 23 °C)  
 volume change (DIN 53508)

Shore  
 MPa  
 %  
 %

Typ. values			
Base value	After aging	difference	
70	77	7	
14.8	14	-5 %	
308	219.3	-29 %	
	-6.5		

### Change after aging in IRM 903: 72h/100°C

Hardness (DIN 53505, Shore A, 23 °C)  
 Tensile strength (DIN 53504, 23 °C)  
 Elongation at break (DIN 53504, 23 °C)  
 volume change (DIN 53508)

Shore  
 MPa  
 %  
 %

Typ. values			
Base value	After aging	difference	
70	70	0	
14.8	13.8	-7 %	
308	251	-19 %	
	4.8		

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### No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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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