

# Material

## NBR NB755604

black

cross linking: sulfur

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<b>Physical properties</b>	<b>nominal range</b>	<b>typical values</b>	
<b>Density</b> DIN 53479	1.24 ±0.03	1.24	g/cm <sup>3</sup>
<b>Hardness</b> DIN 53505, Shore A	75 ±5	71	Shore
<b>Tensile strength</b> DIN 53504	---	13.7	MPa
<b>Elongation at break</b> DIN 53504	---	440	%
<b>Modulus</b> 100 %, DIN 53504	---	3.6	MPa
<b>Modulus</b> 200 %, DIN 53504	---	8	MPa
<b>Tear strength</b> ISO 34-1 B	---	55	KN/m
<b>Rebound resilience</b> DIN 53512	---	25	%
<b>Low temperature test</b> ASTM D1329, TR10	---	-26	°C
<b>Compression set</b> ISO 815-1 A type B, 24 h, 70 °C, 25 %	---	21	%
<b>Temperature range</b>	-40°C to 130°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
Info ROHS and ELV		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

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### Change after aging in Air: 70h/100°C

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

Shore  
MPa  
%  
%

Typ. values			
Base value	After aging	difference	
71	76	5	
13.7	14.5	6 %	
440	374	-15 %	
	-1		

### Change after aging in IRM 901: 70h/100°C

Hardness (DIN 53505, Shore A)  
Tensile strength (DIN 53504)  
Elongation at break (DIN 53504)  
volume change (DIN 53521)

Shore  
MPa  
%  
%

Typ. values			
Base value	After aging	difference	
71	82	11	
13.7	14.4	5 %	
440	347	-21 %	
	-10		

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

Hardness (DIN 53505, Shore A)  
Tensile strength (DIN 53504)  
Elongation at break (DIN 53504)  
volume change (DIN 53521)

Shore  
MPa  
%  
%

Typ. values			
Base value	After aging	difference	
71	69	-2	
13.7	13.8	1 %	
440	339	-23 %	
	1.6		

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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 manufacturing 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.

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