

Technical data sheet in accordance with ASTM

# Material

## 70 NBR 177646

black

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### Physical properties

	nominal range	typical values	
<b>Density</b> ASTM D297	1.25 ±0.02	1.25	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A	70 ±5	73	Shore
<b>Tensile strength</b> ASTM D412	---	15.7	MPa
<b>Elongation at Break</b> ASTM D412	---	318	%
<b>Modulus</b> 100 %, ASTM D412	---	5.3	MPa
<b>Modulus</b> 200 %, ASTM D412	---	11.5	MPa
<b>Modulus</b> 300 %, ASTM D412	---	14.5	MPa
<b>Low temperature test</b> ASTM D1329, TR10	---	-30	°C
<b>Compression set</b> ASTM D395, B, 22 h, 100 °C, 25 %	---	9	%
<b>Temperature range</b>	-30°C to 100°C		

### Declarations of conformity

	Country	Part	Remark	Expires	unlimited
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

### Freudenberg

Freudenberg FST GmbH  
Global Material Technology  
Daniel Danzer  
Telefon: +49 6201 960 5033  
Fax: -  
Email: Daniel.Danzer@fst.com

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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) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactory 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.

**Freudenberg**

Freudenberg FST GmbH  
Global Material Technology  
Daniel Danzer

Telefon: +49 6201 960 5033

Fax: -

Email: Daniel.Danzer@fst.com