

## Material

### 71 ACM 112144

**Version**  
02**Released on**  
17.03.2025**General Data**

Colour: black

**Physical Properties**

	Nominal Range	Typical Value	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	1.36 ± 0.03	1.36	g/cm <sup>3</sup>
<b>Density</b> ASTM D297, 23 °C	1.36 ± 0.03	1.36	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	70 ± 5	68	Shore
<b>Hardness</b> ASTM D2240, Shore A	70 ± 5	70	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C		9.4	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C		11.4	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C		188	%
<b>Tensile strength</b> ASTM D412		12.0	MPa
<b>Elongation at break</b> ASTM D412		190	%

This data sheet supersedes all previous versions. The content is subject to change without prior notice. 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 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.

**Print date:** 20.10.2025

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#### Tested after ASTM D 2000: M 5 DH 7 6

ASTM Property	Nominal Range	Typical Value
<b>A26</b> <i>Air 70.00h/150.00°C</i>		
Tensile strength	MPa	20.00
Elongation at break	%	-27.00
Hardness	Shore	6.00
<b>B16</b> <i>22.00h/150.00°C</i>		
Compression set	%	54.00
<b>EO16</b> <i>IRM 901 70.00h/150.00°C</i>		
Tensile strength	MPa	18.00
Hardness	Shore	3.00
Volume change	%	-2.00
Elongation at break	%	-5.00
<b>EO36</b> <i>IRM 903 70.00h/150.00°C</i>		
Tensile strength	MPa	5.00
Volume change	%	11.00
Hardness	Shore	-5.00
Elongation at break	%	16.00

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