

Technical data sheet in accordance with ASTM

Material

40 CR 33186

black

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Physical properties

	nominal range	typical values	
Density ASTM D792	---	1.21	g/cm ³
Hardness ASTM D2240, Shore A	42 ±5	46	Shore
Tensile strength ASTM D412	>= 12	12.3	MPa
Elongation at break ASTM D412	>= 300	700	%
Modulus 100 %, ASTM D624	>= 0.7	0.9	MPa
Compression set ASTM D395, Slab B, 22 h, 100 °C, 25 %	<= 35	31	%

Declarations of conformity

No data found!

Change after aging in Air: 70h/100°C

Typ. values
Base value After aging difference

Hardness (ASTM D2240, Shore A)	Shore	46	50	4
Tensile strength (ASTM D412)	MPa	12.3	13.3	8 %
Elongation at break (ASTM D412)	%	700	642	-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 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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