

Technical data sheet in accordance with ASTM

Material

ACM AC703402

black

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Physical properties

	nominal range	typical values	
Density ASTM D 1817	1.41 ±0.02	1.41	g/cm ³
Hardness ASTM D 2240, Shore A	70 ±5	70	Shore
Tensile strength ASTM D 412	---	10.9	MPa
Elongation at Break ASTM D 412	---	238	%
Tear strength ASTM D 624 C	---	29	KN/m
Compression set ASTM D 395 B, B, 22 h, 150 °C, 25 %	---	39	%

Declarations of conformity

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

Change after aging
in Air: 70h/150°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	70	73	3
Tensile strength (ASTM D412)	MPa	10.9	10.8	-1 %
Elongation at Break (ASTM D412)	%	238	228.5	-4 %
volume change (ASTM D471)	%		-1	

Change after aging
in IRM 901: 70h/150°C

		Typ. values		
		Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	70	71	1
Tensile strength (ASTM D412)	MPa	10.9	10.8	-1 %
Elongation at Break (ASTM D412)	%	238	211.8	-11 %
volume change (ASTM D471)	%		-1	

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Global Material Technology

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Change after aging in IRM 903: 70h/150°C

Typ. values

Hardness (ASTM D2240, Shore A)
Tensile strength (ASTM D412)
Elongation at Break (ASTM D412)
volume change (ASTM D471)

Shore
MPa
%
%

Base value	After aging	difference
70	62	-8
10.9	9.5	-13 %
238	228.5	-4 %
	10	

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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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