



Technical data sheet in accordance with ASTM

Material FKM FP801801

black

cross linking: bisphenolically

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10/2/2017	2	2/15/2017		

Physical properties

	required	actual	
Density ASTM D297, 23 °C	1.89 ±0.03	1.89	g/cm³
Hardness ASTM D2240, Shore A, 23 °C	80 ±5	80	Shore
Tensile strength ASTM D412, 23 °C	---	15	MPa
Elongation at Break ASTM D412, 23 °C	---	171	%
Low temperature test ASTM D1329, TR10	---	-16.1	°C
Compression set ASTM D395, B, 22 h, 200 °C, 25 %	---	13.9	%

Temperature range -20°C to 200°C

Certificates	Country	Part	Remark	Expires	unlimited
DVGW Baumusterprüfzertifikat Gas RoHS	D		DIN EN 549 H3 E1 2015/863/EU and 2011/65/EU	01 / 2022	☐ ☒

Change after aging in Air: 70h/250°C

		Typ. values		
		base	after aging	difference
Hardness (ASTM D2240, Shore A, 23 °C)	Shore	80	81	1
Tensile strength (ASTM D412)	MPa	15	15.1	1 %
Elongation at Break (ASTM D412)	%	171	162.4	-5 %

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 manufactories 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

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