

Material

FKM FP802602

black

cross linking: bisphenolically

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Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183	2.19 ±0.03	2.18	g/cm ³
Hardness DIN ISO 7619-1, Shore A	80 ±5	80	Shore
Tensile strength DIN 53504	---	12.2	MPa
Elongation at break DIN 53504	---	180	%
Modulus 100 %, DIN 53504	---	9	MPa
Compression set DIN ISO 815, 24 h, 70 °C, 25 %	---	7	%
Compression set DIN ISO 815, 24 h, 150 °C, 25 %	---	8	%
Compression set DIN ISO 815, 24 h, 200 °C, 25 %	---	13	%
Low temperature test ASTM D1329, TR10	---	-17	°C
Low Temperature ISO 11357-2, DSC	---	-20.7	°C
Temperature range	-20°C to 200°C		

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

Country	Part	Remark	Expires
Info ROHS and ELV		EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

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Change after aging in Air: 168h/175°C

Hardness (DIN ISO 7619-1, Shore A)
Tensile strength (DIN 53504)
Elongation at break (DIN 53504)

Shore
MPa
%

Typ. values		
Base value	After aging	difference
80	82	2
12.2	13.5	11 %
180	189	5 %

Change after aging in IRM 903: 168h/175°C

Hardness (DIN ISO 7619-1, Shore A)
Tensile strength (DIN 53504)
Elongation at break (DIN 53504)
volume change (DIN 53521)

Shore
MPa
%
%

Typ. values		
Base value	After aging	difference
80	77	-3
12.2	9	-26 %
180	171	-5 %
	4.4	

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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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