



Technical data sheet in accordance with ASTM

Material FKM FP801804

green

cross linking: bisphenolically

print date	revision index	revision date	page	1/1
10/6/2017	1	7/3/2017		
Physical properties				
Density		required	actual	
		2.12 ±0.02	2.12	g/cm ³
Hardness		80 ±5	80	Shore
ASTM D2240, Shore A				
Tensile strength		---	17.9	MPa
ASTM D412				
Elongation at Break		---	146	%
ASTM D412				
Compression set		---	9	%
ASTM D395, B, 22 h, 175 °C				
Compression set		---	31.2	%
ISO 815, 168 h, 175 °C				
Compression set		---	20.9	%
ISO 815, 72 h, 0 °C				
Compression set		---	48.5	%
ISO 815, 72 h, -20 °C				
Low temperature test		---	-16.9	°C
ASTM D1329, TR10				
Ozone Resistance		---	0	Stufe
ISO 1431, 30 °C, 24 h, 50 pphm				

Certificates	Country	Part	Remark	Expires	unlimited
DVGW Baumusterprüfzertifikat Gas	D		DIN EN 549 H3 E1	11 / 2021	☐
DVGW type examination certificate gas	D		DIN EN 549 H3 E1	11 / 2021	☐
RoHS			2015/863/EU and 2011/65/EU		☒

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.

Freudenberg

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