DICHTOMATIK

FREUDENBERG
INNOVATING TOGETHER

Technical data sheet in accordance with ASTM

Material
FKM FP802701

black

cross linking: bisphenolically

revision index	revision date		
2	7/3/2017	**page**	1 / 3

Physical properties	**nominal range**	**typical values**	
Density ASTM D297	1.91 ±0.03	1.91	g/cm³
Hardness ASTM D 2240, Shore A	80 ±5	80	Shore
Tensile strength ASTM D412	---	14.3	MPa
Elongation at break ASTM D412	---	175	%
Tear strength ASTM D 624, B	---	31	KN/m
Low-temperature resistance ASTM D 746	---	-17	
Low temperature test ASTM D1329, TR10	---	-17	°C
Compression set ASTM D395, Slab B, 70 h, 200 °C, 25 %	---	20	%

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**
ADI Free			see certificate	see DoC
DVGW Baumusterprüfzertifikat Gas	D		DIN EN 549 H3 E1	01 / 2027
DVGW Baumusterprüfzertifikat Gas	D		DIN EN 549 H3 E1	01 / 2027
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner

Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

ADI ANIMAL DERIVED INGREDIENT free CERTIFIED

Technical data sheet in accordance with ASTM

Material
FKM FP802701

black

cross linking: bisphenolically

revision index	revision date		page
2	7/3/2017		2 / 3

Change after aging in Air: 70h/250°C		Typ. values Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	80	82	2
Tensile strength (ASTM D412)	MPa	14.3	12.9	-10 %
Elongation at break (ASTM D412)	%	175	153.1	-13 %

Change after aging in ASTM-Oil No. 3: 70h/150°C		Typ. values Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	80	79	-1
Tensile strength (ASTM D412)	MPa	14.3	13.2	-8 %
Elongation at break (ASTM D412)	%	175	159.3	-9 %
volume change (ASTM D471)	%		2.2	

Change after aging in IRM 903: 70h/150°C		Typ. values Base value	After aging	difference
Hardness (ASTM D2240, Shore A)	Shore	80	78.5	-2
Tensile strength (ASTM D412)	MPa	14.3	12.7	-11 %
Elongation at break (ASTM D412)	%	175	179.4	2 %
volume change (ASTM D471)	%		2.4	

Freudenberg
Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner

Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

ANIMAL DERIVED INGREDIENT free CERTIFIED

Technical data sheet in accordance with ASTM

Material
FKM FP802701

black

cross linking: bisphenolically

revision index	revision date		
2	7/3/2017	**page**	3 / 3

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 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 provisons do not plan for something else.

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner

Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

ADI ANIMAL DERIVED INGREDIENT free CERTIFIED