DICHTOMATIK

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Material
FKM FP759412
black

cross linking: peroxidic

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Physical properties	nominal range	typical values	
Density ASTM D1817	2.11 ±0.03	2.11	g/cm³
Hardness DIN 53505, Shore A	75 ±5	75	Shore
Tensile strength DIN 53504	---	23.7	MPa
Elongation at Break DIN 53504	---	240	%
Compression set ASTM D395, B, 24 h, 200 °C	---	19	%
Low temperature test ASTM D1329, TR10	---	-15	°C
Glass Transition Temperature	---	-16	°C
Low-temperature resistance ASTM D 2137, 3 min, brittleness pass	---	-20	

Temperature range -30°C to 210°C short term: 230°C

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		☑
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		☑
3-A Sanitary Standard Referenztest	USA		Class I		☑
ADI Free			see certificate		☑
BPA/Phthalate free			BPA/Phthalate free		☑
CIP/SIP-Eignung	D		see certificate		☑
FDA	USA	Seals	§ 177.2600		☑
LFGB	EU		XXI. recommendation		☑
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		☑

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ADI ANIMAL DERIVED INGREDIENT free CERTIFIED

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Change after aging in Air: 70h/250°C

		Typ. values		
		Base value	After aging	difference
Hardness (DIN 53505, Shore A)	Shore	75	74	-1
Tensile strength (DIN 53504)	MPa	23.7	19.4	-18 %
Elongation at break (DIN 53504)	%	240	252	5 %

Change after aging in ASTM fuel C: 70h/23°C

		Typ. values		
		Base value	After aging	difference
Hardness (DIN 53505, Shore A)	Shore	75	72	-3
Tensile strength (DIN 53504)	MPa	23.7	20.1	-15 %
Elongation at break (DIN 53504)	%	240	216	-10 %
volume change (ASTM D471)	%		4	

Change after aging in ASTM service fluid # 101: 70h/200°C

		Typ. values		
		Base value	After aging	difference
Hardness (DIN 53505, Shore A)	Shore	75	79	4
Tensile strength (DIN 53504)	MPa	23.7	19	-20 %
Elongation at break (DIN 53504)	%	240	201	-16 %
volume change (ASTM D471)	%		12	

Change after aging in ASTM-Oil No. 3: 70h/150°C

		Typ. values		
		Base value	After aging	difference
Hardness (DIN 53505, Shore A)	Shore	75	74	-1
volume change (ASTM D471)	%		1.8	

Change after aging in Water: 70h/200°C

		Typ. values		
		Base value	After aging	difference
Hardness (DIN 53505, Shore A)	Shore	75	79	4
Tensile strength (DIN 53504)	MPa	23.7	20.1	-15 %
Elongation at break (DIN 53504)	%	240	192	-20 %
volume change (ASTM D471)	%		8	

Lagerung nach ASTM D 471 und ASTM D 573

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No ASTM D2000 properties available

Compliant with the EU-directives 2000/53/EC (ELV).

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.

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