Material
85 HNBR 181071

black

cross linking: peroxidic

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1	1.26 ±0.02	1.26	g/cm³
Hardness DIN ISO 7619-1	85 ±5	87	Shore
Micro hardness DIN ISO 48 Verfahren M	85 +5/-8	86	IRHD
Modulus 100 %, DIN 53504, S2	> 10	14.9	MPa
Tensile strength DIN 53504, S2	> 12	18.7	MPa
Elongation at break DIN 53504, S2	> 150	235	%
Compression set DIN ISO 815, 22 h, 150 °C	< 35	28	%
Low Temperature ISO 11357-2, DSC	---	-19	°C

Temperature range -25°C to 140°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
(EG) 1935/2004	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
3-A Sanitary	USA	Seals	Class I	12 / 2027
ADI Free			see certificate	see DoC
BFR XXI, Kat 4	DE		food	see DoC
Cytotoxicity USP chapter 87	USA	Seals		03 / 2028
FDA	USA	Seals	§ 177.2600	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and	see DoC

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -
Fax: -
Email: MaterialCompliance@fst.com

ADI ANIMAL DERIVED INGREDIENT free CERTIFIED

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Country	Part	Remark	Expires
		EU2015/863 (ROHS III)	

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No ASTM D2000 properties available

Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. 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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Telefon: -
Fax: -
Email: MaterialCompliance@fst.com