

Material

85 NBR 436

black

cross linking: peroxidic



[CONTACT US](#)

revision index	revision date	page	1 / 3
6	10/9/2017		

Physical properties	nominal range	typical values	
Density DIN EN ISO 1183, 23 °C	1.28 ±0.02	1.28	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	85 ±5	88	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	> 10	12.9	MPa
Tensile strength DIN 53504, S2, 23 °C	> 11	13.8	MPa
Elongation at Break DIN 53504, S2, 23 °C	> 110	141	%
Compression set DIN ISO 815, B, 24 h, 100 °C, 25 %	< 20	16	%
Compression set DIN ISO 815, B, 24 h, 125 °C, 25 %	< 30	21	%
Compression set DIN ISO 815, B, 70 h, 125 °C, 25 %	< 35	28	%
Low Temperature ISO 11357-2, DSC	---	-26	°C
Temperature range	-25°C to 100°C	short term: 120°C	

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
3-A Sanitary	USA	Seals	Class II	12 / 2022	<input type="checkbox"/>
ADI Free			see certificate		<input checked="" type="checkbox"/>
BFR XXI, Kat 4	DE		food		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

Freudenberg

Freudenberg FST GmbH
Global Material Technology
Daniel Danzer

Telefon: +49 6201 960 5033
Fax: -
Email: Daniel.Danzer@fst.com



Material
85 NBR 436

black

cross linking: peroxidic

revision index
6

revision date
10/9/2017

page 2 / 3

Freudenberg

Freudenberg FST GmbH
Global Material Technology
Daniel Danzer

Telefon: +49 6201 960 5033
Fax: -
Email: Daniel.Danzer@fst.com



Material 85 NBR 436

black

cross linking: peroxidic

revision index

6

revision date

10/9/2017

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 provisions do not plan for something else.

Freudenberg

Freudenberg FST GmbH
Global Material Technology
Daniel Danzer

Telefon: +49 6201 960 5033
Fax: -
Email: Daniel.Danzer@fst.com

