

Technical data sheet in accordance with ASTM

Material

HNBR HN759401

black

cross linking: peroxidic

revision index	revision date	page	1 / 3
1	2/23/2017		
Physical properties	nominal range	typical values	
Density ASTM D297, 23 °C	1.20 ±0.03	1.20	g/cm ³
Hardness ASTM D2240, Shore A, 23 °C	75 ±5	77	Shore
Tensile strength ASTM D412	---	24	MPa
Elongation at break ASTM D412	---	290	%
Tear strength ISO 34-1 A, 23 °C	---	5.3	KN/m
Compression set ISO 815, Slab B, 22 h, 125 °C, 25 %, 22+2 h	---	44	%
Compression set ISO 815, Slab B, 1008 h, 125 °C, 25 %, 1008+2h	---	73	%
Compression set DIN ISO 815, Slab B, 1008 h, 125 °C, 25 %, 1008+2h in 5W30 MOBIL 1 ESP	---	81	%
Glass Transition Temperature DIN 53765	---	-24.6	°C
Temperature range	-30°C to 150°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
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

Technical data sheet in accordance with ASTM

Material

HNBR HN759401

black

cross linking: peroxidic

revision index

1

revision date

2/23/2017

page 2 / 3

Change after aging in Air: 1008h/125°C

Typ. values

Hardness (ASTM D2240, Shore A, 23 °C)
Tensile strength (ASTM D412)
Elongation at break (ASTM D412)
volume change (ASTM D471)

Shore
MPa
%
%

Base value	After aging	difference
77	86	9
24	24.5	2 %
290	168.2	-42 %
	-3.5	

Freudenberg

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com

Technical data sheet in accordance with ASTM

Material

HNBR HN759401

black

cross linking: peroxidic

revision index

1

revision date

2/23/2017

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 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

Freudenberg Industrial Services GmbH
Global Material Technology
Nadja Güldner
Telefon: -
Fax: -
Email: FIS.Compound.CRC@fst.com