

Technical data sheet in accordance with ASTM

# Material

## HNBR HN759401

black

cross linking: peroxidic

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1	2/23/2017		
<b>Physical properties</b>	<b>nominal range</b>	<b>typical values</b>	
<b>Density</b> ASTM D297, 23 °C	1.20 ±0.03	1.20	g/cm <sup>3</sup>
<b>Hardness</b> ASTM D2240, Shore A, 23 °C	75 ±5	77	Shore
<b>Tensile strength</b> ASTM D412	---	24	MPa
<b>Elongation at break</b> ASTM D412	---	290	%
<b>Tear strength</b> ISO 34-1 A, 23 °C	---	5.3	KN/m
<b>Compression set</b> ISO 815, Slab B, 22 h, 125 °C, 25 %, 22+2 h	---	44	%
<b>Compression set</b> ISO 815, Slab B, 1008 h, 125 °C, 25 %, 1008+2h	---	73	%
<b>Compression set</b> DIN ISO 815, Slab B, 1008 h, 125 °C, 25 %, 1008+2h in 5W30 MOBIL 1 ESP	---	81	%
<b>Glass Transition Temperature</b>	---	-24.6	°C
<b>Temperature range</b>	-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
RoHS conform		including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

### Freudenberg

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#### 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)

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

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**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.

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