

# Z226

## HNBR 80 BLACK

Update 27 March 2019

### General Application Temperature Range

From -40°C  
To 140°C

### General Environmental Application

Coolant  
Mineral Oils  
Ozone  
UV Rays  
H2S

### Compliances

### Composition – IMDS Data

CAS n°	Qty %
88254-10-8	35-45
1333-86-4	45-55
1314-13-2	0-3
3319-31-1	1-4
80-43-3	1-4
n.a.	5

### Note

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### Disclaimer

Temperatures, applications and indications here above are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

### PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	DIN 53479	g/cm <sup>3</sup>	1,33 ± 0,03
Hardness	DIN 53505	ShA	80 ± 5
Tensile Strength	DIN 53504	N/mm <sup>2</sup>	18,4
Elongation	DIN 53504	%	117
Tear resistance	DIN 53515	N/mm	39
TR 10		°C	
Brittle Point		°C	
C. Set 24h @150°C	DIN 53517	%	14
C. Set 70h @150°C	DIN 53517	%	21

### AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @150°C	DIN 53508		
	<i>Hardness Change</i>	ShA	+4,5
	<i>Tensile Strength</i>	%	+21,5
	<i>Elongation</i>	%	+91
	<i>Volume</i>	%	-1,9
	<i>Weigth</i>	%	-1,2
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weigth</i>	%	
	Oil ASTM 1 70h @150°C	DIN 53521	
<i>Hardness Change</i>		ShA	-0,5
<i>Tensile Strength</i>		%	+18,6
<i>Elongation</i>		%	+105
<i>Volume</i>		%	-1,4
<i>Weigth</i>		%	-1
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	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weigth</i>	%	

