

Z251

HNBR 60 BLACK

Update 27 March 2019

General Application Temperature Range

From -20°C
To 150°C

General Environmental Application

Coolant
Mineral Oils
Ozone
UV Rays
H2S

Compliances

Composition – IMDS Data

CAS n°	Qty %
164843-74-7	40-60
1333-86-4	20-25
1314-13-2	0-4
91082-17-6	5-10
25155-25-3	3-7
n.a.	8-9

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 ³	1,16 ± 0,03
Hardness	DIN 53505	ShA	60 ± 5
Tensile Strength	DIN 53504	N/mm ²	19
Elongation	DIN 53504	%	340
Tear resistance	DIN 53515	N/mm	47
TR 10	ASTM D1329	°C	-19
Brittle Point	ASTM D746	°C	-43
C. Set 24h @150°C	ASTM D395B	%	23
C. Set 70h @150°C		%	

AGEING PROPERTIES

Environment	Test STD	Unit	Value

	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weigth</i>	%	

	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weigth</i>	%	
Oil ASTM 3 70h @150°C	DIN 53521		
	<i>Hardness Change</i>	ShA	-1
	<i>Tensile Strength</i>	%	+0
	<i>Elongation</i>	%	+10
	<i>Volume</i>	%	-2
	<i>Weigth</i>	%	-2

	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
	<i>Weigth</i>	%	

