

Z241

HNBR 90 BLACK

REV. 2

General Application Temperature Range

From -30°C
To 150°C

General Environmental Application

Coolant
Mineral Oils
Ozone
UV Rays
H2S

Compliances

Note

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Disclaimer

Tests performed on test slabs. Temperatures, applications and indications 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	ASTM D1817	g/cm ³	1,28 ± 0,03
Hardness	ISO 7619	ShA	90 ± 5
Tensile Strength	DIN 53504 S2	N/mm ²	>16
Elongation	DIN 53504 S2	%	>185
Tear resistance	ISO 34-1 B	N/mm	>54
TR 10		°C	<
Brittle Point	ASTM D2137	°C	<-46
C. Set 24h @150°C	DIN 53517	%	<34
C. Set 70h @150°C	DIN 53517	%	<47

AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @150°C	DIN53508		
	<i>Hardness Change</i>	ShA	+3
	<i>Tensile Strength</i>	%	+12
	<i>Elongation</i>	%	-30
	<i>Volume</i>	%	-1,8
	<i>Weigth</i>	%	-1,2

<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>	%	

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

