

Z226

HNBR 80 black

Rev. 05 – 22/10/2024

General Application Temperature Range

From -25°C
To +150°C

General Environmental Application

Coolant
Ozone
UV Rays
Mineral Oil
H2S

Curing System

Peroxide

Compliances

Update on revision n.04

Changed the elongation value

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 PROPRIETIES

Property	Test STD	Unit	Value
Density	DIN 53479	g/cm ³	1.31 ± 0.03
Hardness	DIN 53505	Shore A	80 ± 5
Tensile Strength	DIN 53504	N/mm ²	>19
Elongation	DIN 53504	%	>175

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-15

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 150°C	DIN 53517	%	<15
72h @ 150°C	DIN 53517	%	<22

AGEING PROPERTIES

Heat Aging – 70h @ 150°C Standard: DIN 53508

Properties	Unit	Value
Hardness	Shore A	+4.5
Tensile Strength	%	+0.5
Elongation	%	-8.0
Volume	%	-1.9
Weigth	%	-1.2

Heat Aging – 168h @ 150°C Standard: DIN 53508

Properties	Unit	Value
Hardness	Shore A	+6.5
Tensile Strength	%	+1.5
Elongation	%	-8.7
Volume	%	-3.0
Weigth	%	-2.0

IRM OIL 901 – 70h @ 150°C Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	-0.5
Tensile Strength	%	+6.0
Elongation	%	
Volume	%	-1.4
Weigth	%	-1.0

IRM OIL 903 – 72h @ 150°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-9.0
Tensile Strength	%	-2.0
Elongation	%	-29.0
Volume	%	+13.0
Weigth	%	+9.0

