

Z251

HNBR 60 black

Rev. O3

General Application Temperature Range

From -30°C
To +150°C

General Environmental Application

Coolant
Ozone
UV Rays
Mineral Oil
H2S

Curing System

Peroxide

Compliances

Note

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	ASTM D1817	g/cm ³	1.16 ± 0.03
Hardness	ISO 7619	Shore A	60 ± 5
Tensile Strength	DIN 53504	N/mm ²	>17
Elongation	DIN 53504	%	>330

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-19

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 150°C	ISO 815-1 A	%	<24
72h @ 150°C	ISO 815-1 A	%	<33

AGEING PROPERTIES

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

Properties	Unit	Value
Hardness	Shore A	+11.0
Tensile Strength	%	+2.6
Elongation	%	-14.0
Volume	%	-7.6
Weigth	%	-5.8

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

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	+1.2
Elongation	%	+5.0
Volume	%	-1.7
Weigth	%	-2.0

5W30 – 96h @ 70°C Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	-3.0
Tensile Strength	%	+5.8
Elongation	%	+15.0
Volume	%	-3.0
Weigth	%	-2.0

Biodiesel DIN EN14214 – 94h @ 80°C Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	-14.0
Tensile Strength	%	
Elongation	%	
Volume	%	+28.0
Weigth	%	+21.0

