

Z217

HNBR 70 black

Rev. 03

General Application

Temperature Range

From -30°C
To +160°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

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	DIN 53479	g/cm ³	1.21 ± 0.03
Hardness	DIN 53505	Shore A	70 ± 5
Tensile Strength	DIN 53504	N/mm ²	>20
Elongation	DIN 53504	%	>300

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TRI0	ASTM D1329	°C	<-15

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 100°C	DIN 53517	%	<15
72h @ 150°C	DIN 53517	%	<31

AGEING PROPERTIES

Heat Aging – 70h @ 160°C

Standard: DIN 53508

Properties	Unit	Value
Hardness	Shore A	+9.0
Tensile Strength	%	-2.7
Elongation	%	+5.0
Volume	%	-3.7
Weigth	%	-2.8

Diesel – 94h @ 80°C

Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	-15.0
Tensile Strength	%	-0.5
Elongation	%	+7.2
Volume	%	+16.0
Weight	%	+9.7

Steam – 168h @ 150°C

Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	+4.0
Tensile Strength	%	-5.0
Elongation	%	-5.0
Volume	%	+1.7
Weigth	%	+2.3

Water – 168h @ 150°C

Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	+6.0
Tensile Strength	%	-5.3
Elongation	%	-10.0
Volume	%	+1.7
Weight	%	+2.1

