

# 157001217

## 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 and or conditions.

### PHYSICAL AND MECHANICAL PROPRIETIES

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

### LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -25

### 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
Weight	%	- 2.8

#### Diesel - 94h @80°C Standard: DIN 53521

Properties	Unit	Value
Hardness	Shore A	- 15.0
Tensile Strength	%	- 0.5
Elongation	%	+ 5.0
Volume	%	- 3.7
Weight	%	- 2.8

#### 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
Weight	%	+ 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