

# 159001240

## HNBR 90 black ED

Rev. 03

### General Application Temperature Range

From -30°C  
To +150°C

### General Environmental Application

Coolant  
Ozone  
UV Rays  
Mineral Oil  
H2S

### Curing System

Peroxide

### Compliances

NORSOK M710

#### 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/cm3	1.26 ± 0.03
Hardness	ISO 7619	Shore A	90 ± 5
Tensile Strength	DIN 53504 S2	N/mm2	>29
Elongation	DIN 53504 S2	%	>120

### LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -23

### COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815-1 A	%	< 17
72h @ 200°C	ISO 815-1 A	%	< 31

### AGEING PROPERTIES

Pentosin CHF 11S - 168h @ 150°C		Standard: DIN 53508	
Properties	Unit	Value	
Hardness	Shore A	+3.0	
Tensile Strength	%	-13.0	
Elongation	%	-35.0	
Volume	%	-0.5	
Weight	%	-0.2	

		Standard:	
Properties	Unit	Value	
Hardness	Shore A		
Tensile Strength	%		
Elongation	%		
Volume	%		
Weight	%		

		Standard:	
Properties	Unit	Value	
Hardness	Shore A		
Tensile Strength	%		
Elongation	%		
Volume	%		
Weight	%		

		Standard:	
Properties	Unit	Value	
Hardness	Shore A		
Tensile Strength	%		
Elongation	%		
Volume	%		
Weight	%		