

# 109001268

## NBR 90 Black

Rev. 04

### General Application Temperature Range

From -30°C  
To +120°C

### General Environmental

#### Application

Mineral Oils  
Gas  
UV Rays

### Curing System

Suplhur

### Compliances

### Note

Changed Compression  
Set for 72h data

### 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	1.30 ± 0.03
Hardness	DIN 53505	Shore A	90 ± 5
Tensile Strength	ASTM 412C	MPa	> 16
Elongation	ASTM 412C	%	> 195

### LOW TEMPERATURE RESISTANCE

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

### COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 100°C	DIN 53517	%	< 14
72h @ 100°C	DIN 53517	%	< 18

### AGEING PROPERTIES

Heat Aging - 70h @ 100°C		Standard: DIN 53508	
Properties	Unit	Value	
Hardness	Shore A	+ 2.0	
Tensile Strength	%	- 12.0	
Elongation	%	- 18.0	
Volume	%	- 1.5	
Weight	%	- 1.2	

IRM OIL 901 - 70h @100°C		Standard: DIN 53521	
Properties	Unit	Value	
Hardness	Shore A	- 25.0	
Tensile Strength	%	+ 1.5	
Elongation	%	- 10.0	
Volume	%	- 1.0	
Weight	%	- 1.0	

IRM OIL 903 - 70h @100°C		Standard: DIN 53521	
Properties	Unit	Value	
Hardness	Shore A	- 10.0	
Tensile Strength	%	- 6.0	
Elongation	%	- 12.3	
Volume	%	+ 10.5	
Weight	%	+ 10.0	

Water - 70h @100°C		Standard: DIN 53521	
Properties	Unit	Value	
Hardness	Shore A	- 0.5	
Tensile Strength	%	0	
Elongation	%	- 1.0	
Volume	%	+ 3.5	
Weight	%	+ 2.5	