

107001724

NBR 70 Black

Rev. 04

General Application Temperature Range

From -35°C
To +120°C

General Environmental

Application

Mineral Oils

Gas

UV Rays

Nuclear

Curing System

Suplhur

Compliances

Note on Rev. 03

Tensile strength increased to 16N/mm from 13N/mm

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	ISO 2781 A	g/cm	1.26 ± 0.03
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile Strength	ISO 37	MPa	> 16
Elongation	ISO 37	%	> 410

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ISO 2921	°C	< -24

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 100°C	ISO 815 A	%	< 9
72h @ 100°C	ISO 815 A	%	< 15

AGEING PROPERTIES

Heat Aging - 70h @ 100°C Standard: ISO 188

Properties	Unit	Value
Hardness	Shore A	+ 5.0
Tensile Strength	%	+ 13.0
Elongation	%	- 20.0
Volume	%	
Weight	%	

IRM OIL 901 - 70h @100°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	+ 6.0
Tensile Strength	%	+ 18.0
Elongation	%	- 20.0
Volume	%	- 4.5
Weight	%	

IRM OIL 903 - 70h @100°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	- 7.0
Tensile Strength	%	+ 2.0
Elongation	%	- 15.0
Volume	%	+ 7.0
Weight	%	

Water - 70h @100°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	- 3.0
Tensile Strength	%	- 5.0
Elongation	%	- 12.0
Volume	%	+ 5.0
Weight	%	