

105001740

NBR 50 black

Rev. 03

General Application Temperature Range

From -30°C
To +120°C

General Environmental Application

Mineral Oils
Gas
UV Rays

Curing System

Sulphur

Compliances

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	50 ± 5
Tensile Strength	DIN 53504 S2	N/mm2	>5
Elongation	DIN 53504 S2	%	>345

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	%	< 16
72h @ 200°C	ISO 815-1 A	%	< 25

AGEING PROPERTIES

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

Properties	Unit	Value
Hardness	Shore A	+5.0
Tensile Strength	%	+14.0
Elongation	%	-3.0
Volume	%	-2.0
Weight	%	-2.0

IRM OIL 901 - 70h @ 100°C Standard: ISO 1818

Properties	Unit	Value
Hardness	Shore A	+6.0
Tensile Strength	%	+47.0
Elongation	%	+23.0
Volume	%	-11.0
Weight	%	-10.0

IRM OIL 902 - 70h @100°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-5.0
Tensile Strength	%	+22.0
Elongation	%	+33.0
Volume	%	-1.0
Weight	%	-2.0

IRM OIL 903 - 70h @ 150°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-3.0
Tensile Strength	%	+15.0
Elongation	%	+2.0
Volume	%	+1.0
Weight	%	-1.0