

107001066

NBR 70 Black FDA

Rev. 04

General Application Temperature Range

From -30°C
To +120°C

General Environmental

Application

Mineral Oils

Gas

UV Rays

Food

Curing System

Suplhur

Compliances

FDA CFR 21 - 177.2600

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	ISO 2781	g/cm	1.26 ± 0.03
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile Strength	ISO 37	MPa	> 15
Elongation	ISO 37	%	> 370

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ISO 2921	°C	< -22

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 100°C	ISO 815-1 A	%	< 13
72h @ 100°C	ISO 815-1 A	%	< 20

AGEING PROPERTIES

Heat Aging - 70h @ 100°C		Standard: ISO 188B	
Properties	Unit	Value	
Hardness	Shore A	+ 5.0	
Tensile Strength	%	+ 5.0	
Elongation	%	- 22.0	
Volume	%		
Weight	%		

IRM OIL 901 - 70h @100°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	+ 2.0	
Tensile Strength	%	- 22.0	
Elongation	%	- 25.0	
Volume	%	- 3.0	
Weight	%		

IRM OIL 903 - 70h @100°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 8.0	
Tensile Strength	%	- 5.0	
Elongation	%	- 22.0	
Volume	%	+ 12.0	
Weight	%		

Water - 70h @100°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 6.0	
Tensile Strength	%	- 11.0	
Elongation	%	- 8.0	
Volume	%	+ 8.0	
Weight	%		