

108001736

NBR 80 black

Rev. 03

General Application Temperature Range

From -35°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	DIN 53479	g/cm3	1.35 ± 0.03
Hardness	DIN 53479	Shore A	80 ± 5
Tensile Strength	DIN 53504 S2	N/mm2	>12
Elongation	DIN 53504 S2	%	>255

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -26

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815-1	%	< 15
72h @ 200°C	ISO 815-1	%	< 22

AGEING PROPERTIES

Heat Aging - 70h @ 100°C		Standard: ISO 188	
Properties	Unit	Value	
Hardness	Shore A	+5.0	
Tensile Strength	%	+1.0	
Elongation	%	-27.0	
Volume	%	-1.0	
Weight	%	-1.0	

Heat Aging - 70h @ 150°C		Standard: ISO 188	
Properties	Unit	Value	
Hardness	Shore A	+15.0	
Tensile Strength	%	-18.0	
Elongation	%	-96.0	
Volume	%	-8.0	
Weight	%	-5.0	

IRM OIL 901 - 70h @100°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	+7.0	
Tensile Strength	%	+6.0	
Elongation	%	-21.0	
Volume	%	-5.0	
Weight	%	-4.0	

IRM OIL 901 - 70h @150°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	+8.0	
Tensile Strength	%	+15.0	
Elongation	%	-31.0	
Volume	%	-6.0	
Weight	%	-5.0	