

117001534

EPDM 70 black perox

Rev. 04

General Application Temperature Range

From -50°C
To +150°C

General Environmental Application

Water
Ozone
UV Rays
Food
Hydrogen

Curing System

Peroxide

Compliances

FDA Cfr 21-177.2600
3-A Sanitary
USP Class VI
Hydrogen Compatibility
according to SAE J2600,
clause 5.5.3

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/cm3	1.15 ± 0.03
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile Strength	ISO 37	N/mm2	>16
Elongation	ISO 37	%	> 200

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ISO 2921	°C	< -42

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815 B	%	< 14
72h @ 200°C	ISO 815 B	%	< 25

AGEING PROPERTIES

Heat Aging - 70h @ 100°C		Standard: ISO 188B	
Properties	Unit	Value	
Hardness	Shore A	+ 1.0	
Tensile Strength	%	-8.0	
Elongation	%	-12.0	
Volume	%	-0.1	
Weight	%	-0.1	

Heat Aging - 70h @ 125°C		Standard: ISO 188B	
Properties	Unit	Value	
Hardness	Shore A	+2.0	
Tensile Strength	%	-15.0	
Elongation	%	-15.0	
Volume	%	-0.2	
Weight	%	-0.2	

Heat Aging - 70h @150°C		Standard: ISO 188B	
Properties	Unit	Value	
Hardness	Shore A	+4.0	
Tensile Strength	%	-25.0	
Elongation	%	-25.0	
Volume	%	-0.4	
Weight	%	-0.4	

Water - 70h @ 100°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 1.0	
Tensile Strength	%	- 4.0	
Elongation	%	- 7.0	
Volume	%	+ 1.3	
Weight	%	+ 1.0	