

177501303

FEPM 75 black FDA

Rev. 02

General Application Temperature Range

From -10°C
To +200°C

General Environmental

Application

Coolant
Mineral Oils
Ozone
UV Rays
H2S

Curing System

Peroxide

Compliances

FDA Cfr 21 - 177.2600
3-A Sanitary

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 ³	1.61 ± 0.03
Hardness	ISO 7619-1	Shore A	75 ± 5
Tensile Strength	ISO 37 S2	MPa	> 18
Elongation	ISO 37 S2	%	> 210

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ISO 2921	°C	< -0.5

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815-1 A	%	< 25
72h @ 200°C	ISO 815-1 A	%	< 37

AGEING PROPERTIES

Heat Aging - 70h @ 200°C		Standard: ISO 188	
Properties	Unit	Value	
Hardness	Shore A	+3.5	
Tensile Strength	%	-7.0	
Elongation	%	-10.0	
Volume	%		
Weight	%		

Steam - 168h @ 200°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	+1.5	
Tensile Strength	%	- 4.0	
Elongation	%	- 11.0	
Volume	%	-0.5	
Weight	%	-0.2	

Water - 168h @150°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	+2.5	
Tensile Strength	%	-6.0	
Elongation	%	-20.5	
Volume	%	-0.3	
Weight	%	-0.2	

Fuel C - 70h @23°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 26.0	
Tensile Strength	%		
Elongation	%		
Volume	%	+ 70.3	
Weight	%	+ 34.1	