

179001302

FEPM 90 black

Rev. 04

General Application Temperature Range

From 0°C
To +200°C

General Environmental

Application

Coolant

Mineral Oils

Ozone

UV Rays

H2S

Curing System

Peroxide

Compliances

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	1.62 ± 0.03
Hardness	ISO 7619-1	Shore A	90 ± 5
Tensile Strength	ISO 37	MPa	> 17
Elongation	ISO 37	%	> 130

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< 2

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815-1 A	%	< 19
72h @ 200°C	ISO 815-1 A	%	< 30

AGEING PROPERTIES

Heat Aging - 70h @ 200°C

Standard: ISO 188

Properties	Unit	Value
Hardness	Shore A	+ 5.0
Tensile Strength	%	+10.2
Elongation	%	-20.8
Volume	%	
Weight	%	

Steam - 168h @ 200°C

Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	-19.5
Elongation	%	+6.8
Volume	%	+3.8
Weight	%	+2.1

Water - 168h @150°C

Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-4.0
Tensile Strength	%	-14.5
Elongation	%	+10.1
Volume	%	+8.9
Weight	%	+5.3

ShellRimular65W-30LME - 168h @150°C Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	- 3.0
Tensile Strength	%	-5.5
Elongation	%	- 3.7
Volume	%	+3.0
Weight	%	+1.7