

# 129001669

## FKM 90 black ED LT45

Rev. 03

### General Application Temperature Range

From -45°C  
To +220°C

### General Environmental Application

Chemicals  
Hydrocarbons  
High Temp.  
CO2 contact

### Curing System

Peroxide

### Compliances

Norsok M710

### Note

\*compressione 50%

### 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	ASTM D297	g/cm <sup>3</sup>	1.83 ± 0.03
Hardness	ASTM D2240	Shore A	90 ± 5
Tensile Strength	ASTM D412	MPa	> 15
Elongation	ASTM D412	%	> 115

### LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -40

### COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815	%	< 28
72h @ 200°C	ASTM D395 B	%	< 33

### AGEING PROPERTIES

#### Heat Aging - 94h @ 200°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+ 4.0
Tensile Strength	%	- 10.0
Elongation	%	- 15.0
Volume	%	
Weight	%	

#### IRM OIL 903 - 70h @ 150°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-2.0
Tensile Strength	%	-8.5
Elongation	%	+1.5
Volume	%	+2.0
Weight	%	

#### FAM B - 168h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-11.0
Tensile Strength	%	-23.0
Elongation	%	-15.0
Volume	%	+16.0
Weight	%	

#### Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weight	%	