

# 129001165

## FKM 90 black

Rev. 03

### General Application Temperature Range

From -20°C  
To +220°C

### General Environmental Application

Chemicals  
Hydrocarbons  
High Temp.

### Curing System

Bisphenol AF

### 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 <sup>3</sup>	1.90 ± 0.03
Hardness	ISO 7619-1	Shore A	90 ± 5
Tensile Strength	ISO 37	MPa	> 12
Elongation	ISO 37	%	> 90

### LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -16

### COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ISO 815-1	%	< 13
72h @ 200°C	ISO 815-1	%	< 24

### AGEING PROPERTIES

Heat Aging - 70h @ 250°C		Standard: ISO 188	
Properties	Unit	Value	
Hardness	Shore A	+ 1.0	
Tensile Strength	%	- 20.0	
Elongation	%	- 16.0	
Volume	%		
Weight	%		

FUEL C - 70h @ 23°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 3.0	
Tensile Strength	%		
Elongation	%		
Volume	%	+3.6	
Weight	%		

IRM OIL 903 - 70h @ 150°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	- 1.0	
Tensile Strength	%	- 4.5	
Elongation	%	+ 1.0	
Volume	%	+ 1.7	
Weight	%		

FAM A - 70h @ 23°C		Standard: ISO 1817	
Properties	Unit	Value	
Hardness	Shore A	-5.0	
Tensile Strength	%		
Elongation	%		
Volume	%	+ 4.2	
Weight	%	+ 1.9	