

Z165

FKM 90 black

Rev. O3

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 PROPERTIES

Property	Test STD	Unit	Value
Density	ISO 2781	g/cm ³	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	%	
Weigth	%	

FUEL C – 70h @ 23°C

Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-3.0
Tensile Strength	%	
Elongation	%	
Volume	%	+3.6
Weigth	%	

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
Weigth	%	

FAM A – 70h @ 23°C

Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-5.0
Tensile Strength	%	
Elongation	%	
Volume	%	+4.2
Weigth	%	+1.9

