

Z079

FKM 75 black

Rev. 04

General Application Temperature Range

From -20°C
To +230°C

General Environmental Application

Chemicals
Hydrocarbons
High Temp.
Hydrogen

Curing System

Bisphenol AF

Compliances

Hydrogen Compatibility
According to SAE J2600,
clause 5.5.3

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	ASTM D297	g/cm ³	1.86 ± 0.03
Hardness	ASTM D2240	Shore A	75 ± 5
Tensile Strength	ASTM D412 C	MPa	>14
Elongation	ASTM D412 C	%	>170

LOW TEMPERATURE RESISTANCE

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

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 200°C	ASTM D395 B	%	<15
72h @ 200°C	ASTM D395 B	%	<21

AGEING PROPERTIES

Heat Aging – 1008h @ 175°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+2.0
Tensile Strength	%	-5.3
Elongation	%	-6.2
Volume	%	
Weigth	%	

Heat Aging – 72h @ 250°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+3.5
Tensile Strength	%	-7.4
Elongation	%	-6.8
Volume	%	
Weigth	%	

IRM OIL 902 – 70h @ 150°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	-1.7
Elongation	%	+0.8
Volume	%	+0.6
Weigth	%	+0.4

TetrachloroEthylene – 70h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	
Elongation	%	
Volume	%	+0.4
Weigth	%	+0.2

