

Z431

FKM 75 black LT48

Rev. 03

General Application Temperature Range

From -48°C
To +220°C

General Environmental Application

Chemicals
Hydrocarbons
Low Temp.

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	ASTM D297	g/cm ³	1.88 ± 0.03
Hardness	ASTM D2240	Shore A	75 ± 5
Tensile Strength	ASTM D412 C	MPa	>12
Elongation	ASTM D412 C	%	>150

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 815-1 A	%	<13
72h @ 200°C	ASTM D395 B	%	<32

AGEING PROPERTIES

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

Properties	Unit	Value
Hardness	Shore A	+2.0
Tensile Strength	%	-10.3
Elongation	%	-11.6
Volume	%	
Weigth	%	

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

Properties	Unit	Value
Hardness	Shore A	-11.5
Tensile Strength	%	
Elongation	%	
Volume	%	+17.2
Weigth	%	

IRM 903 – 70h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-2.0
Tensile Strength	%	-8.4
Elongation	%	-3.7
Volume	%	+2.5
Weigth	%	

FUEL C – 24h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-3.5
Tensile Strength	%	
Elongation	%	
Volume	%	+3.6
Weigth	%	

