

Z604

FKM 90 black LT35

Rev. 034 – 22/10/2024

General Application Temperature Range

From -35°C
To +220°C

General Environmental Application

Chemicals
Hydrocarbons
Low Temp.

Curing System

Peroxide

Compliances

Update on revision n.03

Added the compression set test value at 72h

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	ASTM D1817	g/cm ³	1.88 ± 0.03
Hardness	ASTM D2240	Shore A	90 ± 5
Tensile Strength	DIN 53504 S2	N/mm ²	>17
Elongation	DIN 53504 S2	%	>100

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-30

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 200°C	ASTM D 395 B	%	<19
72h @ 200°C	ASTM D 395 B	%	<35

AGEING PROPERTIES

Heat Aging – 168h @ 200°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+4.0
Tensile Strength	%	+10.0
Elongation	%	-23.0
Volume	%	
Weigth	%	

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

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	-4.0
Elongation	%	+0.5
Volume	%	+1.9
Weigth	%	

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

Properties	Unit	Value
Hardness	Shore A	-5.0
Tensile Strength	%	
Elongation	%	
Volume	%	+5.3
Weigth	%	

n PENTHANE – 168h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-2.0
Tensile Strength	%	-11.2
Elongation	%	-5.8
Volume	%	+1.3
Weigth	%	+0.4

