

Z440

FKM 70 black FDA

Rev. 04

General Application Temperature Range

From -20°C
To +220°C

General Environmental Application

Chemicals
Hydrocarbons
High Temp.
Food

Curing System

Bisphenol AF

Compliances

FDA Cfr 21 – 177.2600
3-A Sanitary Standard

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	ASTM D1817	g/cm ³	2.01 ± 0.03
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile Strength	DIN 53504 S2	N/mm ²	>12
Elongation	DIN 53504 S2	%	>160

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 A	%	<13
72h @ 200°C	ISO 815-1 A	%	<21

AGEING PROPERTIES

Heat Aging – 70h @ 250°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+3.5
Tensile Strength	%	-6.0
Elongation	%	-0.5
Volume	%	
Weigth	%	

IRM OIL 901 – 70h @ 150°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-0.5
Tensile Strength	%	-4.4
Elongation	%	-1.3
Volume	%	+0.4
Weigth	%	

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

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	-7.3
Elongation	%	+0.9
Volume	%	+1.6
Weigth	%	

FUEL C – 70h @ 23°C Standard:

Properties	Unit	Value
Hardness	Shore A	-3.5
Tensile Strength	%	-17.5
Elongation	%	-13.9
Volume	%	+3.8
Weigth	%	

