

Z050

FKM 70 black Extreme®

Rev. 03

General Application

Temperature Range

From -20°C
To +240°C

General Environmental

Application

Chemicals
Hydrocarbons
High Temp.

Curing System

Peroxide

Compliances

FDA Cfr 21 – 177.2600
3-A Sanitary

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	1.96 ± 0.03
Hardness	ASTM D2240	Shore A	70 ± 5
Tensile Strength	ASTM D412	MPa	>14
Elongation	ASTM D412	%	>195

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-8

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 200°C	ASTM D395/B	%	<23
72h @ 200°C	ASTM D395/B	%	<42

AGEING PROPERTIES

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

Properties	Unit	Value
Hardness	Shore A	+2.0
Tensile Strength	%	+23.7
Elongation	%	+12.5
Volume	%	
Weigth	%	

MEK – 168h @ 23°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-14.0
Tensile Strength	%	
Elongation	%	
Volume	%	+19.4
Weigth	%	

DOT4 TotalHBF 4 – 70h @ 80°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-3.0
Tensile Strength	%	-16.0
Elongation	%	+9.4
Volume	%	+2.3
Weigth	%	

Standard:

Properties	Unit	Value
Hardness	Shore A	
Tensile Strength	%	
Elongation	%	
Volume	%	
Weigth	%	

