

128001603

FKM 80 black HFLT35

Rev. 03

General Application Temperature Range

From -35°C
To +220°C

General Environmental Application

Chemicals
Hydrocarbons
High 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 D1817	g/cm3	1.92 ± 0.03
Hardness	ASTM D2240	Shore A	80 ± 5
Tensile Strength	DIN 53504 S2	N/mm2	> 13
Elongation	DIN 53504 S2	%	> 140

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	< -24

COMPRESSION SET TESTS

Parameters	Test STD	Unit	Value
24h @ 200°C	ASTM D 395 B	%	< 16
72h @ 200°C	ASTM D 395 B	%	< 32

AGEING PROPERTIES

Heat Aging - 70h @ 225°C Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+ 1.5
Tensile Strength	%	- 15.0
Elongation	%	+13.0
Volume	%	
Weight	%	

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

Properties	Unit	Value
Hardness	Shore A	-1.0
Tensile Strength	%	-7.0
Elongation	%	+5.0
Volume	%	+1.8
Weight	%	

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

Properties	Unit	Value
Hardness	Shore A	- 3.0
Tensile Strength	%	- 14.0
Elongation	%	-15.0
Volume	%	+ 2.9
Weight	%	

Ethanol - 70h @ 60°C Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	- 4.0
Tensile Strength	%	
Elongation	%	
Volume	%	+ 7.0
Weight	%	+ 3.5