

Z667

FKM 90 black PLT ED

Rev. O4

General Application

Temperature Range

From -35°C
To +220°C

General Environmental Application

Chemicals
Hydrocarbons
Low Temp.
Hydrogen

Curing System

Peroxide

Compliances

Norsok M710
Hydrogen Compatibility
according to SAEJ2600,
clause 5.5.3

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	ISO 2781	g/cm ³	1.82 ± 0.03
Hardness	ISO 7619-1	Shore A	90 ± 5
Tensile Strength	ISO 37	MPa	>18
Elongation	ISO 37	%	>120

LOW TEMPERATURE RESISTANCE

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

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 200°C	ISO 815-1 A	%	<20
72h @ 200°C	ISO 815-1 A	%	<29

AGEING PROPERTIES

Heat Aging – 70h @ 200°C

Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+2.0
Tensile Strength	%	-11.8
Elongation	%	-13.4
Volume	%	
Weigth	%	

Heat Aging – 70h @ 250°C

Standard: ASTM D573

Properties	Unit	Value
Hardness	Shore A	+4.5
Tensile Strength	%	-16.5
Elongation	%	-17.0
Volume	%	
Weigth	%	

FUEL C – 168h @ 23°C

Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-4.0
Tensile Strength	%	
Elongation	%	
Volume	%	+4.6
Weigth	%	

IRM OIL 903 – 70h @ 150°C

Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-1.5
Tensile Strength	%	-10.2
Elongation	%	+2.0
Volume	%	+2.0
Weigth	%	

