

Z218

CR 70 black

Rev. 04 – 22/10/2024

General Application

Temperature Range

From -50°C
To +100°C

General Environmental Application

Gas
Ozone
Uv Rays
Sea water

Curing System

Sulphure

Compliances

Update on revision n.03

Add compression set 72h data

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	DIN 53479	g/cm ³	1.42 ± 0.03
Hardness	DIN 53505	Shore A	70 ± 5
Tensile Strength	DIN 53504	N/mm ²	>13
Elongation	DIN 53504	%	>240

LOW TEMPERATURE RESISTANCE

Property	Test STD	Unit	Value
TR10	ASTM D1329	°C	<-42

COMPRESSION SET TESTS

Parameters	TEST STD	Unit	Value
24h @ 100°C	DIN 53517	%	<23
72h @ 100°C	DIN 53517	%	<32

AGEING PROPERTIES

Heat Aging - 70h @ 100°C **Standard: ASTM D537**

Properties	Unit	Value
Hardness	Shore A	+3.5
Tensile Strength	%	+1.0
Elongation	%	-14.0
Volume	%	-2.6
Weigth	%	-1.8

H2SO4 1% - 168h @ 70°C
Standard: ISO 1817

Properties	Unit	Value
Hardness	Shore A	-2.0
Tensile Strength	%	
Elongation	%	
Volume	%	+6.7
Weigth	%	+9.0

IRM OIL 901 - 70h @ 100°C
Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	+3.0
Tensile Strength	%	+5.0
Elongation	%	-13.0
Volume	%	-4.0
Weigth	%	-5.0

IRM OIL 903 - 70h @ 100°C
Standard: ASTM D471

Properties	Unit	Value
Hardness	Shore A	-25.0
Tensile Strength	%	-24.0
Elongation	%	-25.0
Volume	%	+45.0
Weigth	%	+29.0

