

Technical data sheet in accordance with ASTM

Material

70 CR C700M

black

cross linking: Metallic oxide

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Physical properties

nominal range

typical values

Density

ASTM D297, 23 °C

1.42

g/cm³

Hardness

ASTM D2240, Shore A, 23 °C

70 ±5

70

Shore

Modulus

100 %, ASTM D412, C, 23 °C

MPa

Tensile strength

ASTM D412, C, 23 °C

> 7

15

MPa

Elongation at break

ASTM D412, C, 23 °C

> 200

254

%

Temperature range

-35°C to 100°C

Declarations of conformity

No data found!

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

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Tested after ASTM D 2000: M 3 BC 707 A14 B14 EO14 EO34

		nominal range
Hardness	Shore	70 ±5
Tensile strength	MPa	min. 7
Elongation at break	%	min. 200
A14 Change after aging in Air 70h/100°C		
Hardness	Shore	15
Tensile strength	%	-15
Elongation at break	%	-40
B14 Compression set 22h/100°C		
	%	35
EO14 Change after aging in IRM 901 70h/100°C		
Hardness	Shore	±10
Tensile strength	%	-30
Elongation at break	%	-30
Volume	%	-10 to 15
EO34 Change after aging in IRM 903 70h/100°C		
Tensile strength	%	-60
Elongation at break	%	-50
Volume	%	100

The given values are based on a limited number of tests on standard test pieces (2mm sheets). The data from finished parts can deviate from above values depending on the manufacturing process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

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