

Material

75 FKM 260466

auburn

revision index
2

revision date
3/13/2013

page 1 / 3

Physical properties

	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	2.08 ±0.03	2.08	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	75 ±5	77	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	---	12.7	MPa
Tensile strength DIN 53504, S2, 23 °C	> 15	18.8	MPa
Elongation at break DIN 53504, S2, 23 °C	> 140	178	%

Temperature range -30°C to 200°C

Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance
Telefon: -
Fax: -
Email: MaterialCompliance@fst.com

Material

75 FKM 260466

auburn

revision index

2

revision date

3/13/2013

page

2 / 3

Tested after ASTM D 2000: M 2 HK 710 A1-10 B37 B38 EF31 EO78 Z1

		nominal range	typical values
Hardness	Shore	70 ±5	75
Tensile strength	MPa	min. 10	17.5
Elongation at break	%	min. 175	181
A1-10 Change after aging in Air 70h/250°C			
Hardness	Shore A	10	2
Tensile strength	%	-25	5
Elongation at break	%	-25	15
B37 Compression set 22h/175°C	%	50	24
B38 Compression set 22h/200°C	%	50	35
EF31 Change after aging in Fuel C 70h/23°C			
Hardness	Shore	±5	-3
Tensile strength	%	-25	-12
Elongation at break	%	-20	35
Volume	%	0 to 10	2
EO78 Change after aging in Fluid No. 101 70h/200°C			
Hardness	Shore	-15 to 5	-5
Tensile strength	%	-40	-15
Elongation at break	%	-20	30
Volume	%	0 to 15	8
Z1 Low Temperature DIN 53765, DSC	°C	---	-16

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. 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

Freudenberg

Freudenberg FST GmbH

Technology&Innovation

Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com

Material

75 FKM 260466

auburn

revision index

2

revision date

3/13/2013

page 3 / 3

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.

Freudenberg

Freudenberg FST GmbH
Technology&Innovation
Material Compliance

Telefon: -

Fax: -

Email: MaterialCompliance@fst.com