

Material

94 AU 21700

natural

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Physical properties	required	actual	
Density DIN EN ISO 1183-1, 23 °C	1.19 ±0.02	1.19	g/cm ³
Hardness DIN ISO 7619-1, Shore A, 23 °C	94 ±3	94	Shore
Hardness DIN ISO 7619-1, Shore D, 23 °C	46 ±5	45	Shore
Modulus 100 %, DIN 53504, S2, 23 °C	> 13	15	MPa
Modulus 300 %, DIN 53504, S2, 23 °C	---	33	MPa
Tensile strength DIN 53504, S2, 23 °C	> 50	62	MPa
Elongation at break DIN 53504, S2, 23 °C	> 330	420	%
Tear strength DIN ISO 34-1, B (b), 23 °C	---	107	KN/m
Compression set DIN ISO 815, 24 h, 70 °C, 10 %	---	28	%
Compression set DIN ISO 815, 24 h, 100 °C, 20 %	---	38	%
Compression set DIN ISO 815, 70 h, 100 °C, 10 %	---	45	%
Low Temperature ISO 11357-2, DSC	---	-25	°C
Temperature range	-25°C to 110°C		

Certificates	Country	Part	Remark	Expires	unlimited
(EG) 10/2011	EU		food		<input checked="" type="checkbox"/>
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
3-A Sanitary	USA	Seals	Class II	12 / 2017	<input type="checkbox"/>
FDA	USA	Seals	FDA §177.1680		<input checked="" type="checkbox"/>

Freudenberg

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Certificates

RoHS

Country Part

Remark

2015/863/EU and 2011/65/EU

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No ASTM D2000 properties available

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 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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