

Material 70 EPDM 38283

black

cross linking: peroxidic

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Physical properties	nominal range	typical values	
Density DIN ISO 2781 A, 23 °C	1.14 ±0.03	---	g/cm ³
Hardness ASTM D 2240, Shore A, 23 °C	70 ±5	---	Shore
Tensile strength DIN ISO 37-2, 23 °C	---	17	MPa
Elongation at Break DIN ISO 37-2, 23 °C	---	220	%
Tear strength DIN ISO 34-1, B, 23 °C	---	11	KN/m
Compression set DIN ISO 815, B, 70 h, 23 °C, 25 %	---	9	%
Compression set DIN ISO 815, B, 22 h, 100 °C, 25 %	---	7	%
Compression set DIN ISO 815, B, 22 h, 125 °C, 25 %	---	9	%
Compression set DIN ISO 815, B, 70 h, 100 °C, 25 %	---	10	%
Compression set DIN ISO 815, B, 22 h, 150 °C, 25 %	---	13	%
Compression set DIN ISO 815, B, 70 h, 150 °C, 25 %	---	24	%
Compression set DIN ISO 815, B, 168 h, 150 °C, 25 %	---	44	%
Low temperature test ISO 2921, TR10	---	-42	°C
Low Temperature ISO 11357-2, DSC	---	-55	°C
Low Temperature resistance ISO 812, Brittleness	---	-70	°C
Temperature range	-50°C to 150°C		

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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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Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 1935/2004	EU		food		<input checked="" type="checkbox"/>
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
ADI Free					<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.2600		<input checked="" type="checkbox"/>
RoHS			Restricted substances in electrical and electronic equipment		<input checked="" type="checkbox"/>

This material corresponds to 3-A Sanitary Standard Class II, USP Chapter 87, USP Class VI - 121 °C, WRAS, NSF Standard 61, ACS, KIWA.

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