

Material PTFE E202

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Physical properties

typical values

Density DIN EN ISO 1183-1, 23 °C	1.93	g/cm ³
Hardness DIN ISO 7619-1, Shore D, 23 °C, 3 sec.	60	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	35	MPa
Tensile strength on basis of DIN EN ISO 527, SPI, 23 °C, UR	16	MPa
Elongation at break on basis of DIN EN ISO 527, SPI, 23 °C	280	%
Temperature range	to 210°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
(EG) 10/2011	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
ADI Free				see DoC
Conflict Mineral Free				see DoC
FDA	USA	Seals	§ 177.1550	see DoC

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No ASTM D2000 properties available

According the BAM "Bundesanstalt für Materialprüfung" (Federal Institute for Material Research) certificate of February 2012, the investigated sample of the material is safe for use in valves for gaseous oxygen if the following operating parameters are not exceeded.

The tests had been carried out with one sample from one lot and deliver only indicative results.

Temp. up to 60°C max. oxygen pressure 30 bar

Temp. >60°C to 90°C max. oxygen pressure 20 bar

The given values are based on a limited number of tests on standard test pieces 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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