

Material

PTFE F52803

white

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Physical properties	nominal range	typical values	
Density DIN EN ISO 1183-1, 23 °C	2.18 +0.02/-0.04	2.17	g/cm ³
Hardness DIN ISO 7619-1, Shore D, 23 °C, cylinder diam. 50x50 mm, after 3 s	56 ±2	55	Shore
Tensile strength DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction	27 +8/-7	24.3	MPa
Elongation at Break DIN EN ISO 527-1, FD-105, 23 °C, Cross Direction	300 ±100	311	%
Temperature range	-200°C to 260°C		

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)		<input checked="" type="checkbox"/>
Conflict Mineral Free			see certificate		<input checked="" type="checkbox"/>
FDA	USA	Seals	§ 177.1550		<input checked="" type="checkbox"/>
RoHS conform			including EU 2011/65 and EU2015/863 (ROHS III)		<input checked="" type="checkbox"/>

Freudenberg

Freudenberg Sealing Technologies
Global Material Technology
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No ASTM D2000 properties available

The composition of the material accords to the regulation of the EU-directive EC no. 10/2011.

The given values are based on a limited number of tests on standard test pieces (1,5mm foil) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories 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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