

Technical data sheet in accordance with ASTM

Material

PTFE W-FLON

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6

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1/19/2024

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Physical properties

	nominal range	typical values	
Density ASTM D792, 23 °C	2.16 ±0.02	---	g/cm ³
Hardness ASTM D2240, Shore D, 23 °C	51 - 60	---	Shore
Tensile strength ASTM D4894, 23 °C	> 24	---	MPa
Elongation at break ASTM D4894, 23 °C	> 250	---	%
Deformation under load accordance with ASTM D 621, 23 °C, 24 h, 14 N/mm ² , PR	14 - 17	---	%
Permanent deformation accordance with ASTM D 621, 23 °C, PR	7 - 9	---	%
Temperature range	-200°C to 260°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 certificate	see DoC
Conflict Mineral Free			see certificate	see DoC
FDA	USA	Seals	§ 177.1550	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

Freudenberg

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No ASTM D2000 properties available

The material fulfills the requirements according USP Class VI Chapter 87& 88.

Further approvals / details upon request:

DVGW-Arbeitsblatt W 270 + KTW-Leitlinie (UBA) valid till 19. Februar 2025

WRAS valid till October 2026

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 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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