

Material

PTFE FG-180

PHASED OUT
Revision Index
 03

Revision Date
 09.12.2022
General Data

Colour: white

Declaration of Compliance for - Food & Beverage is available upon request for selected articles. Please contact your known sales contact or send an email to info@fst.com.

Physical Properties

	Nominal Range	Typical Value
Density DIN 28090-2, 23 °C		2.1 g/cm ³
Tensile strength DIN 52910, 23 °C		15 MPa
Residual stress DIN 52 913, 150 °C, 30 N/mm ² , 16 h		15 N/mm ²
Compressibility ASTM F 36 J		7 %
Recovery ASTM F 36 J		45 %
Cold compressibility DIN 28 090-2		3 %
Cold recovery DIN 28 090-2		1 %
Hot creep DIN 28 090-2		17 %
Hot recovery DIN 28 090-2		3 %
Leakage DIN 35 35-6	<0.02	mg/(m ² s)
Specific leakage rate (TA Luft) VDI 2440/TA Luft, Helium, 1 Bar, 30 MPa	5.4	10 ⁶ mbar ² /l (m ² s)

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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