

Material

PTFE F56101

Revision Index
02

Revision Date
17.05.2016

General Data

Colour: black
Filler: carbon, 10.00%

Physical Properties

	Nominal Range	Typical Value	
Density ASTM D 792, 23 °C	2.15 ±0.03	2.16	g/cm ³
Hardness ASTM D 2240 Typ D, Shore D, 23 °C, cylinder diameter 50x50 mm, after 3 s	60 ±3	60	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	27 ±2.5	26.95	MPa
Tensile strength at break ASTM D 638, FD-105, 23 °C, UR	>16.5	17.9	MPa
Elongation at break ASTM D 638, FD-105, 23 °C, UR	>200	254	%

Temperature Range

static: -150 to 260 °C

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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