DICHTOMATIK

FREUDENBERG
INNOVATING TOGETHER

Technical data sheet in accordance with ASTM

Material
PTFE PT004205
black

PTFE + 25% Carbon

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Physical properties	nominal range	typical values	
Density ISO 1183	2.11 +0.03/-0.04	2.12	g/cm³
Hardness ISO 868, Shore D	---	65	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	---	35	MPa
Tensile strength ISO 527	---	14	MPa
Elongation at break ISO 527	---	140	%
Compressive Strength ASTM D695, 1% Deformation	---	10	MPa
Deformation under load ASTM D 621, 23 °C, 24 h, 13.7 N/mm²	---	7	%
Permanent deformation ASTM D 621	---	3	%
Notch impact strength	---	145	J/m²
Melting point	---	327	°C
Heat Deflection Temperature ISO 75, 1,8 Mpa	---	85	°C
Durchgangswiderstand	---	100000	Ohm
Electrical surface resistivity IEC 60093	---	1e+007	Ohm
water adsorption ASTM D570, 24 h	<= 0.01	---	%
Flammability UL 94	---	V0	
Temperature range	-200°C to 260°C		

Declarations of conformity

Freudenberg

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Global Material Technology
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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
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC

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No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces (2mm sheets). 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 provisons do not plan for something else.

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