

Material

PTFE K212

black

carbon filled polytetrafluoroethylene

revision index	revision date	page	1 / 2
4	11/4/2019		

Physical properties

	typical values	
Density DIN EN ISO 1183-1, 23 °C	2.10	g/cm ³
Hardness DIN ISO 7619-1, Shore D, 23 °C, 3 sec.	65	Shore
Ball indentation hardness DIN EN ISO 2039-1, 23 °C	37	MPa
Tensile strength on basis of DIN EN ISO 527, SPI, 23 °C, UR	15	MPa
Elongation at Break on basis of DIN EN ISO 527, SPI, 23 °C	180	%
Durchgangswiderstand 500 V, 23 °C, 50 %	1,2 E +04	Ohm*cm
Surface resistivity DIN EN 62631-3-2 (VDE 0307-3-2) Ausgabe 2016, 50 %, 23 °C	1,9 E +05	Ohm

Declarations of conformity

	Country	Part	Remark	Expires	unlimited
ADI Free			see certificate		<input checked="" type="checkbox"/>
Conflict Mineral Free			see certificate		<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
Markus Schork

Telefon: +49 (0) 6164 51 225
Fax: +49 (0) 6164 5111225
Email: Markus.Schork@fst.com



Material PTFE K212

black

carbon filled polytetrafluoroethylene

revision index

4

revision date

11/4/2019

page

2 / 2

No ASTM D2000 properties available

The given values are based on a limited number of tests on standard test pieces 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.

Freudenberg

Freudenberg Sealing Technologies
Global Material Technology
Markus Schork

Telefon: +49 (0) 6164 51 225
Fax: +49 (0) 6164 5111225
Email: Markus.Schork@fst.com

