

# Glass based filled PTFE

Standard colour: dark grey

- ⦿ Service temperature range: -200 +260 °C
- ⦿ Increased compressive strength
- ⦿ Increased wear resistance
- ⦿ Reduced thermal expansion coefficient
- ⦿ Generally used for slipper rings and sealing solutions at medium-high pressure.

Properties	Value	Unit	Test Method
Density	2.25	g/cm <sup>3</sup>	ASTM D4894
Hardness	60	SHORE D	ASTM D2240
Water Absorption	0	%	ASTM D570
Tensile Strength	16	MPa	ASTM D4894
Tensile Modulus	ND	GPa	ASTM D4894
Elongation	200	%	ASTM D4894
Compressive Strength @ 23°C	7.8	MPa	ASTM D604
Compressive Modulus @ 23°C	0.8	GPa	ASTM D604
Deformation Under Load ( 15 MPa - 24 hrs @ 23°C )	ND	%	ASTM D621
Permanent Deformation ( 15 MPa - 24 hrs @ 23°C )	ND	%	ASTM D621
Thermal Conductivity	0.33	W/mK	ASTM C177
Coefficient of linear thermal expansion ( 25-100°C )	15	10e-5 / °C	ASTM D696
Flammability	V-0		UL 94
Dielectric Strength	ND	kV/mm	ASTM D149
Volume Resistivity	10 <sup>14</sup>	Ohm cm	ASTM D257
Surface Resistivity	10 <sup>14</sup>	Ohm	ASTM D257
Coefficient of Friction - Static	0.16		ASTM D1894
Coefficient of Friction - Dynamic	0.14		ASTM D1894
Wear Factor	2*10 <sup>-7</sup>	mm <sup>3</sup> /Nm	ASTM D3702

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

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