

Bronze based fillers PTFE

Standard colour: dark brown

- ⦿ Service temperature range: -200 +250 °C
- ⦿ Good mechanical properties
- ⦿ Low deformation underload
- ⦿ Low friction and wear
- ⦿ High thermal conductivity
- ⦿ Lubricated running tribological applications where lower friction coefficient is required.

Properties	Value	Unit	Test Method
Density	3.05	g/cm ³	ASTM D4894
Hardness	65	SHORE D	ASTM D2240
Water Absorption	0	%	ASTM D570
Tensile Strength	18	MPa	ASTM D4894
Tensile Modulus	ND	GPa	ASTM D4894
Elongation	200	%	ASTM D4894
Compressive Strength @ 23°C	8	MPa	ASTM D604
Compressive Modulus @ 23°C	0.77	GPa	ASTM D604
Deformation Under Load (15 MPa - 24 hrs @ 23°C)	6	%	ASTM D621
Permanent Deformation (15 MPa - 24 hrs @ 23°C)	3	%	ASTM D621
Thermal Conductivity	0.46	W/mK	ASTM C177
Coefficient of linear thermal expansion (25-100°C)	9.5	10e-5 / °C	ASTM D696
Flammability	V-0		UL 94
Dielectric Strength	ND	kV/mm	ASTM D149
Volume Resistivity	ND	Ohm cm	ASTM D257
Surface Resistivity	ND	Ohm	ASTM D257
Coefficient of Friction - Static	0.15		ASTM D1894
Coefficient of Friction - Dynamic	0.1		ASTM D1894
Wear Factor	ND	mm ³ /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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