

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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