

## AF402 Bronze Filled PTFE

The addition of Bronze to PTFE gives better dimensional stability and lowers creep, cold flow and wear. It increases hardness and compressive strength whilst also increasing thermal and electrical conductivity.

### Typical Physical properties

Property	Test Method	Value
Specific Gravity	BS EN ISO 13000-2	3.0 – 3.12 g/cm <sup>3</sup>
Tensile Strength	BS EN ISO 13000-2	22 – 27 Mpa
Elongation	BS EN ISO 13000-2	230 – 270%
Shore D Hardness	BS EN ISO 13000-2	65 – 68
Water Absorption		0.01%
Surface Resistivity	ASTM D257	10 <sup>7</sup> Ω
Volume Resistivity	ASTM D257	10 <sup>5</sup> Ω-cm
Flexural Yield Strength 23°C 0.2% Offset	ASTM D790 m1	8.8 N/mm <sup>2</sup>
Flexural Yield Strength 23°C	ASTM D790 m1	1180 N/mm <sup>2</sup>

Issued July 2020 AFT Fluorotec Technical Department

All information is based on typical test results performed under specific conditions and limited sample size. This does not represent a legally binding guarantee of certain properties or the suitability for specific applications. All information is provided in good faith at time of print.

#### AFT Fluorotec

Solutions and components in Fluoropolymer Plastics

**Phone:** +44 (0)1992 515880

**Email:** [info@fluorotec.com](mailto:info@fluorotec.com)

**Website:** [www.fluorotec.com](http://www.fluorotec.com)