

## AF805 Modified PEEK

AF805 is a modified PEEK material with special fillers. Formulated to give greater flexibility than standard PEEK materials and a much lower coefficient of friction. AF805 retains the essential properties of PEEK being a semi-crystalline very high performance engineering thermoplastic designed for extremely demanding applications. Good chemical resistance, creep resistance and radiation resistance. Excellent rigidity and high maximum use temperature.

### Typical Physical properties

Property	Test Method	Value
Specific Gravity	ISO 1183	1.44 g/cm <sup>3</sup>
Tensile Strength	ISO 527	78 MPa
Elongation	ISO 527	25%
Flexural Strength 23°C		100 MPa
Flexural Modulus 23°C		2.8 GPa
Coefficient of Friction		<0.10
Coefficient of Thermal Expansion		7°C x 10 <sup>-5</sup>
Water Absorption %/ Hour at 23°C	ASTM D 257	<0.1
Maximum Continuous use Temperature		260°C

Issued March 2015 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

**Fax:** +44 (0) 1992 554490

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

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

Hertford Town Mill

Tamworth Road

Hertford

Herts. SG13 7DJ