

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 ³
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 ⁻⁵
Water Absorption %/ Hour at 23°C	ASTM D 257	<0.1
Maximum Continuous Service Temperature		260°C
Minimum Recommended Temperature		- 122°C

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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

Website: www.fluorotec.com