

## AF804 30% Carbon Fibre filled PEEK

AF804 is a carbon fibre reinforced semi-crystalline very high performance engineering thermoplastic for extremely demanding applications.

- Very high thermal mechanical bearing strength
- Excellent creep resistance
- Excellent radiation resistance
- High hardness and rigidity
- Good chemical resistance
- High maximum use temperature
- Excellent wear resistance

### Typical Physical properties

Property	Test Method	Value
Specific Gravity	ASTM D 792	1.44 g/cm <sup>3</sup>
Tensile Strength	ISO 527	215 MPa
Elongation	ISO 527	1.5%
Hardness	Rockwell M	107M
Max Continuous use Temperature		260 °C
Coefficient of Thermal Expansion	ASTM D696	1.5 x10 <sup>-5</sup> °C
Colour		Black

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Solutions and components in Fluoropolymer Plastics

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