



ENGLISH

Datasheet

RS Pro Beige Polyetheretherketone (PEEK) Rod, 300mm x 80mm Diameter

RS Stock No: **514-770**



Product Details

RS Pro polyetheretherketone rod in black colour, measures 300 mm long with a diameter of 80 mm. This PEEK CF30 rod has 30% carbon fibre reinforced semi-crystalline and high performance thermoplastic for extremely demanding applications. The rod is suitable for use in mechanical engineering, automotive industry, nuclear and vacuum technology, transport and conveyor technology, textile, packaging and paper processing machinery, precision engineering, chemical engineering, aircraft and aerospace industries.

Features and Benefits

- Continuous working temperature approx 250°C
- No significant degradation in steam or high pressure water environments
- Can absorb over 1000 mrad of radiation without appreciable loss of mechanical properties
- Excellent resistance to a wide range of organic and inorganic liquids and resistant to all common solvents
- Fawn in colour

**Specifications:**

Colour	Beige
Flammability Rating	UL94 V-0
Form	Rod
Hardness	M 99 Rockwell
Material	PEEK
Density	1.32 g/cm ³
Elongation	25%
Length	300 mm
Maximum Operating Temperature	+260°C
Rod Diameter	80 mm
Water Absorption	0.5%
Tensile Strength	95 MPa