

Datasheet

RS Pro Beige Polyetheretherketone (PEEK) Rod, 300mm x 50mm Diameter

RS Stock No: **514-764**



Product Details

RS Pro polyetheretherketone rod in black colour, measures 300 mm long with a diameter of 50 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

- Good chemical/radiation resistance
- Hydrolysis resistant even against superheated steam
- Very rigid with high creep resistance
- Electrically insulating
- Manufactured to DIN 53479; DIN53765; DIN53765-D-10; ASTM-D 1929
- Supplied in 300 mm lengths

**Specifications:**

Colour	Beige
Flammability Rating	UL94 V-0
Form	Rod
Hardness	M 103 Rockwell
Material	PEEK
Density	1.49 g/cm ³
Elongation	2.5%
Length	300 mm
Maximum Operating Temperature	+260°C
Rod Diameter	50 mm
Water Absorption	0.1%
Tensile Strength	180 MPa