

## Datasheet

# RS Pro Black Polyetheretherketone (PEEK) Rod, 300mm x 20mm Diameter

RS Stock No: **514-732**



## Product Details

RS Pro polyetheretherketone rod in black colour, measures 300 mm long with a diameter of 20 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

- High thermal/mechanical strength
- Excellent creep resistance
- Good chemical resistance
- Hydrolysis resistant
- Excellent rigidity
- High dimensional stability
- Excellent wear resistance
- Non-electrically insulating
- Flame retardant UL 94V-0

**Specifications:**

Colour	Black
Flammability Rating	UL94 V-0
Form	Rod
Hardness	255 Ball Indentation
Material	PEEK
Density	1.44 g/cm <sup>3</sup>
Elongation	1.5%
Length	300 mm
Maximum Operating Temperature	+260°C
Rod Diameter	20 mm
Water Absorption	0.1%
Tensile Strength	215 MPa