



ENGLISH

Datasheet

Stock No: 282-0610

# RS Pro Beige Polyetheretherketone (PEEK) Rod, 300mm x 36mm Diameter



## Product Details

### Victrex® PEEK 450G

Typical applications include valve seats in steam and water mixers, components in a high temperature diesel engine turbo actuators etc.

Continuous working temperature approx 250°C

No significant degradation in steam or high pressure water environments

Can absorb over 1000 Mrads 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

Max Service Temperature (Long Term)	260°C
Elongation	5 %
Tensile Strength MPa	92
Hardness (Rockwell-Shore D)	M99 (Rockwell)
Flammability Rating	UL 94 V-0
Water Absorption	0.5 %

### Note

No. Per Lot is 1

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### PEEK

PEEK (Polyetheretherketone) high performance thermoplastics are chemical, abrasion and impact resistant. They possess good machineability and self-lubricating properties.

## Specifications

Colour	Beige
Length	300mm
Material	PEEK
Form	Rod
Rod Diameter	36mm
Density	1.32g/cm <sup>3</sup>
Tensile Strength	95 MPa
Flammability Rating	UL 94 V-0
Elongation	25%
Maximum Operating Temperature	+260°C
Hardness	M 99 Rockwell
Water Absorption	0.5%