



Datasheet

Stock No: 770-709

ENGLISH

**RS Pro Beige**

**Polyetheretherketone (PEEK)**

**Rod, 300mm x 25mm 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 approximately 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



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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 machine ability and self-lubricating properties.

## Specifications:

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