



Datasheet

Stock No: 770-721

ENGLISH

RS Pro Beige

Polyetheretherketone (PEEK)

Rod, 300mm x 50mm 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



ENGLISH

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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:

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|--------------------------------|-----------------------|
| Colour: | Beige |
| Length: | 300mm |
| Material: | PEEK |
| Form: | Rod |
| Rod Diameter: | 50mm |
| Density: | 1.32g/cm ³ |
| 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% |