

Datasheet

## RS Pro Brown Polyimide (PI) Rod, 250mm x 25.4mm Diameter

RS Stock No: **688-9405**



### Product Details

RS Pro polyimide (PI) rod in brown colour, measures 250 mm long with a diameter of 25.4 mm. It provides high strength with a low level of creep. The rod has good wear resistance property with up to 300°C in a continuous usage. It is suitable for thermally and mechanically stressed engineering elements and components.

### Features and Benefits

- Dimensional stability
- Electrical insulation
- High purity
- Low outgassing
- Inherently flame retardant
- Good radiation
- Easily machined to close tolerances

**Specifications:**

Colour	Brown
Flammability Rating	UL94 V-0
Form	Rod
Hardness	90 Shore D
Material	Polyimide
Suitability	Insulators, Switch Parts, Valve Faces, Friction Rings, Medical, Food & Semiconductor Technology
Density	1.38 g/cm <sup>3</sup>
Elongation	6.1%
Impact Strength	9.8 kJ/m <sup>2</sup>
Length	250 mm
Maximum Operating Temperature	+300°C
Rod Diameter	25.4 mm
Thermal Conductivity	0.22 W/mK
Water Absorption	3.38%
Tensile Strength	118 MPa
Specific Heat	0.925 J/gK
Thermal Expansion	61 x 10 <sup>-6</sup> 1/K