



ENGLISH

Datasheet

Stock No: 514-681

RS Pro Black Polyetheretherketone (PEEK) Rod



Product Details

PEEK Bearing Grade

Black PEEK modified with the addition of carbon, graphite and PTFE to offer optimised properties for demanding bearing and friction requirements.

Good sliding properties even without lubrication/high wear resistance

High thermal mechanical bearing strength

Good chemical/radiation (gamma) resistance

Very rigid/high creep strength

Superheated steam resistant

Self-lubricating

Manufactured to DIN 50014

Supplied in 300mm lengths

Black in colour



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Product Details

Max Service Temperature (Long Term)	260°C
Elongation	3%
Tensile Strength MPa	118
Hardness (Rockwell-Shore D)	M86 (Rockwell)
Flammability Rating	UL 94 V-0
Water Absorption	0.10%

Note

This material is NOT electrically insulating
No. Per Lot is 1

PEEK

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



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Specifications:

Colour	Black
Length	300mm
Material	PEEK
Form	Rod
Rod Diameter	60mm
Density	1.48g/cm ³
Tensile Strength	130 MPa
Flammability Rating	UL 94 V-0
Elongation	1.5%
Hardness	208 Ball Indentation
Water Absorption	0.1%
Maximum Operating Temperature	+260°C