

Plastics

PEEK Bar

Datasheet Updated
05 August 2021

RANGE

Product Form	Size Range
Round Bar	4.0mm - 200.0mm

SPECIFICATIONS

Commercial	PEEK
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A high performance plastic material with one of the highest levels of heat resistance and mechanical strength available among plastics.

SUPPLIED FORMS

- Bar
- Rod

APPLICATIONS

- Electronical industry: insulators, connectors and wafer-carrier
- Mechanical engineering: gear wheels, sliding elements, compressor- and pump-components, drives, bushings, valves and rollers
- Automotive industry: clutch and gearbox components and turbocharger impeller
- Conveyor technics: guidances, strokes, rollers, grippers, and valves
- Medical industry: parts for surgical instruments and short term implants
- Food industry: valves, blenders, strippers, dosing systems and kneaders
- Oil and gas industry: drill heads, sealings and sensors

CHARACTERISTICS

- Temperature: -60°C up to +250°C (+310°C short term)
- Extremely strong and wear resistant plastic
- Outstanding chemical resistance
- Superior wear resistance and sliding properties
- Very good dimensional stability
- Excellent resistance to creep and high energy radiation
- Excellent resistance to chemicals and hydrolysis
- Noise dampening
- Easily machined
- Inherent flame retardant
- Good heat deflection temperature
- Good slide and wear properties

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