

Custom PEEK CNC Machining from China

Specifications :

Price	Contact us
Brand Name	Baetro
Place of Origin	China
Min.Order Quantity	1
Payment Terms	L/C,D/P,T/T
Supply Ability	1000
Delivery Detail	3-7
Packaging Details	Wooden case or wooden pellets depended on clients' requireme

Detail Introduction :

PEEK (Polyetheretherketone) is an exceptional material for CNC machining, offering remarkable durability and performance in demanding environments. Known for its ability to retain flexural and tensile strength even at temperatures exceeding 482°F, PEEK is an ideal choice for high-heat applications. Reinforcements like glass fiber or carbon fiber can be added to enhance its mechanical and thermal properties further.

Key Features:

- Exceptional flexural, tensile, and impact strength
- High continuous working temperature
- Strong resistance to heat distortion
- Excellent chemical resistance
- Superior dielectric properties at high temperatures and frequencies
- Exceptional resistance to radiation
- Low emissions of smoke and toxic gases
- High resistance to hydrolysis

PEEK is highly valued in CNC machining for its durability, making it a reliable material across various industrial applications.

PEEK Machining: Ideal for Industrial Uses

PEEK's resistance to wear, heat, and radiation, combined with its low flammability, makes it a top material in industries such as manufacturing, pharmaceuticals, energy, and aerospace. Its minimal smoke and toxic gas emissions when burning make it suitable for critical applications.

Common PEEK-machined parts include bearings, thrust washers, piston components, semiconductor fabrication tools like pumps and compressor plate valves, as well as cable insulation used in ultra-high vacuum environments.

In summary, PEEK is an excellent choice for CNC machining, providing strength, heat resistance, and reliability for a wide range of industrial applications.