Quantum Polymers manufactures extruded High Performance plastics stock shape products for machined parts. Our stock shapes are available in the form of Rods, Plates, and Tubular Bars. Quantum’s material offerings include high performance materials such as PEK, PEEK, PPS, Radel, PSU, PVDF, ECTFE, Ultem and engineering materials such as Noryl, PC, POM etc. These materials are available in various colors and reinforced with fillers such as glass fiber, carbon fiber, carbon nano tube, graphite, and PTFE.

Following materials are readily available from stock:
- PEEK: PEEK – Ketaspire KT820NT, GF30 PEEK, CF30 PEEK
- Ultem: Ultem 1000, Ultem 2300
- PVDF: Kynar 740

Our make-to-order products offer the following advantages:
- Custom sizes resulting in higher yields of machined parts
- Low minimum order processing
- Short delivery times (typical 2 to 3 weeks)

Machined parts made from stock shape plastics have applications in the following industries:
- Aerospace
- Healthcare
- Oil & Gas
- Pharmaceutical
- Semiconductor
- Transportation
- Food Processing

Made in the USA from 100% Prime Virgin Resins

Call Toll Free: 1.877.737.7012
Email: sales@quantum-polymers.com
**List of Stocked and Make-to-order Materials**

- **PEEK**
  - KT820, 450G - Unfilled Natural/Black
  - PEEK-HT (Victrex G45)
  - 10%-30% Glass Fiber Filled
  - 10%-30% Carbon Fiber Filled
  - 15%-20% PTFE Filled
  - Bearing Grade
  - Ceramic Filled Socket Grade
  - CNT filled ESD Grade

- **Ultem (PEI)**
  - Ultem 1000 – Unfilled
  - 10% Glass Fiber Filled – Ultem 2100
  - 20% Glass Fiber Filled – Ultem 2200
  - 30% Glass Fiber Filled – Ultem 2300
  - 40% Glass Fiber Filled – Ultem 2400
  - Bearing Grade - Ultem 4000
  - 20% Carbon Fiber Filled
  - 20% Glass Filled, Chemical Resistant – CRS5201
  - 30% Glass Filled, Chemical Resistant – CRS5301
  - CNT Filled ESD Grade

- **Radel (PPSU)**
  - Radel 5500 (Natural, Bone White, Black)
  - 30% Glass Fiber Filled – Radel RG5030

- **Polysulfone (PSU)**
  - Unfilled (Natural, Black)
  - 20%-30% Glass Fiber Filled

- **PVDF**
  - Kynar 740, Solef 6010
  - Kynar 1000
  - Kynar 2850

- **PPS**
  - Unfilled
  - 15% PTFE Filled
  - Bearing Grade

**Rods**
- Diameter: 3/8” to 12”
- Length: 4’ | 8’ | 10’

**Sheets/Plates**
- Thickness: 3/8” to 6”
- Size: 2’ x 4’ | 1’ x 4’

**Tubular Bars**
- OD: 3” to 6”, 10”, 12”
- Wall Thickness >= 1/2”
- Length: 4’ | 8’

- **Halar®**
  - Halar® 902LC

- **Noryl®**
  - Unfilled – EN265
  - 20% Glass Fiber Filled - GFN2, SE1GFN2
  - 30% Glass Fiber Filled - GFN3, SE1GFN3

- **PC**
  - Lexan 103 (UV)/104 (FDA)
  - 10% Glass Fiber Filled – Lexan 500R
  - 20% Glass Fiber Filled – Lexan 3412R
  - 30% Glass Fiber Filled – Lexan 3413R
  - 40% Glass Fiber Filled – Lexan 3414R
  - Antistatic ESD Grade

- **Delrin (Homopolymer)**
  - 13%, 20% PTFE Filled – Delrin 100AF
  - 20% Glass Fiber Filled – Delrin 570
  - 25% Glass Fiber Filled – Delrin 525GR
  - Delrin 500AF
  - Delrin 511P
  - Delrin 527UV
  - Delrin DE588

- **Acetal (Copolymer)**
  - 20%-30% Glass Fiber Filled
  - 10% - 20% Carbon Fiber Filled
  - Antistatic – ESD Grade
  - SS Filled Food Grade

- **Nylon (PA)**
  - 30% Glass Fiber Filled Nylon 6/6 – Plates Only
  - 40% Glass Fiber Filled Nylon 6
  - 20% Carbon Fiber Filled Nylon 6

- **PP**
  - Profax 7831
  - Medical Grade – 13R9A, 23R2A
  - 20% Glass Fiber Filled
  - 30% Glass Fiber Filled, FR Grade
  - Antistatic ESD Grade

- **Hytrel**
  - Hytrel 7246, 5556, 5555HS, 4069

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