

Extruded Rods, Plates & Tubular Bars



Engineering and High Performance Thermoplastic Stock Shapes for Machined Parts

Quantum Polymers manufactures extruded high performance stock shapes for machined parts. Our stock shapes are available in the form of rods, plates, and on a custom basis, tubular bars. Quantum's offerings include high performance polymers such as PEK, PEEK, PPS, PPSU, PSU, PEI, and PVDF. Quantum also offers stock shapes from engineering polymers such as PPO, PC, and filled POM-H. These materials are available in various colors and can be reinforced with fillers such as glass fiber, carbon fiber, carbon nanotubes, graphite, and PTFE.



Materials

The following materials are readily available from stock:

- KetaSpire® PEEK—unfilled natural & black, GF30, CF30, bearing grade
- ULTEM™ PEI— unfilled natural & black, 30% glass filled natural & black
- Kynar® PVDF—natural & black
- Ryton® PPS—unfilled natural & black, 40% glass filled natural & black



Industries

Machined parts made from stock shapes have applications in the following industries:

- Aerospace & Aviation
- Healthcare
- Industrial
- Oil & Gas
- Semiconductor
- Transportation



Custom Products

Our made-to-order products offer the following advantages:

- Custom sizes resulting in higher yields of machined parts
- Low minimum order processing
- Short delivery times (typically 2-3 weeks)
- Toll extrusion services available

MADE IN THE USA FROM 100% PRIME VIRGIN RESINS

Call Toll Free: 1.877.737.7012

We are an ISO 9001:2015 certified company

General Inquiries: sales@quantum-polymers.com

Inside Sales:

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direct: 302.526.4857

List of Stocked and Made-To-Order Materials

PEEK

- *KetaSpire® KT820, Vestakeep® 4000 & 5000G– Unfilled Natural & Black
- *30% Glass Fiber Filled
- *30% Carbon Fiber Filled
- 15%-20% PTFE Filled
- *Bearing Grade
- CNT filled ESD Grade

PEK

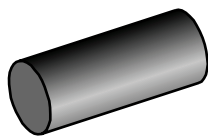
- Victrex HT™G45

PEI

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

PPSU

- Radel® 5500 (Natural, Bone White, Black)



Rods

Diameter: 3/8" to 12"
Length: 4' | 8' | 10'

PSU

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

PVDF

- *Kynar® 740 (Natural, Black)
- Kynar® UHM™
- Kynar® 1000HD
- Kynar® Flex 2850

PPS

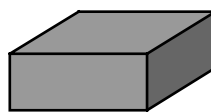
- *Unfilled (Natural, Black)
- *40% Glass Fiber Filled (Natural, Black)
- 15% PTFE Filled
- Bearing Grade

PPO

- NORYL™ EN265–Unfilled
- NORYL™ GFN2, NORYL™ SE1GFN2–20% Glass Fiber Filled
- NORYL™ GFN3, NORYL™ SE1GFN3–30% Glass Fiber Filled

PC

- LEXAN™103 (UV)
- LEXAN™104 (FDA)
- LEXAN™ 500R– 10% Glass Fiber Filled
- LEXAN™ 3412R– 20% Glass Fiber Filled
- LEXAN™ 3413R– 30% Glass Fiber Filled
- LEXAN™ 3414R– 40% Glass Fiber Filled



Sheets/Plates

Thickness: 3/8" to 6"
Width: 12", 18", 24"
Length: 4'



POM

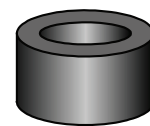
- Antistatic ESD Grade
- Delrin® 100AF & Delrin® 500AF– 13%, 20% PTFE Filled
- Delrin® 577– 20% Glass Fiber Filled
- Delrin® 525GR– 25% Glass Fiber Filled
- Delrin® 511P
- Delrin® AF DE588

PP

- Medical Grade–FHR 13R9A, 23R2A
- 20% Glass Fiber Filled
- 30% Glass Fiber Filled, FR Grade
- Antistatic ESD Grade

TPE

- Hytrel® 4069, 5555HS, 5556, 7246



Tubular Bars

OD: 3" to 6", 10", 12"
Wall Thickness ≥ 1/2"
Length: 4' | 8'

*stocked items

Quantum
advanced engineering plastics

Call Toll Free: 1.877.737.7012

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Email: sales@quantum-polymers.com