

Quantum Polymers Featured In Plastics Distributor & Fabricator Magazine

Impact-Modified PPS

Quanta™ PPS stock shapes of rod, plate and heavy-wall tubular bars extruded by Quantum Polymers Newark, DE are manufactured from virgin, unfilled, impact modified PPS virgin resins and are available in both black and natural (beige) colors.

Often referred to as “smart man’s PEEK”, PPS is a tough semi-crystalline polymer with excellent chemical resistance to solvents, acids, bases and petroleum fluids along with great temperature resistance to 175°C, high limiting oxygen index (LOI) - making it inherently flame resistant, and a lower specific gravity vs. metals.

Quanta PPS stock shapes offer additional benefits of high tensile elongation and ductility and a unique combination of other properties coupled with a cost/performance balance that is unmatched by other engineering stock shapes. In addition, Quanta PPS stock shapes are extruded from resins that comply with the Code of Federal Regulations (CFR) Section 21 for indirect food contact applications.

Quantum’s PPS stock shapes are hot air annealed for dimensional stability and low residual stress. Annealing is critical for ease of machining and final part surface smoothness. Quanta PPS stock shapes are easily machined to tight tolerances and precise components using readily available low pH synthetic cutting fluids.

Rods are available from 6” to 4” diameter. Plates are available from 3/8” to 3” thick in widths 12”, 18” and 24” wide. Heavy wall tubular bars (wall thickness > 0.500”) are available on a custom basis.

For more information, contact:

Renee Ebersole, Quantum Polymers Corporation
211 Executive Drive, Suite 1, Newark, DE 19702
877-737-7012, Fax: 302-737-7035,
E-mail: sales@quantum-polymers.com
Web: www.quantum-polymers.com.

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Cover photo of Quanta™ PPS stock shapes courtesy of Quantum Polymers of Newark, DE. Extruded from virgin, unfilled, impact modified PPS virgin resins, they are available as rod, plate and heavy-wall tubular bars in both black and natural (beige) colors.