

## Extruded Rods, Plates & Tubular Bars



## UDEL<sup>®</sup> PSU Shape Data from Quantum Polymers

Shape Data Property Tested	ASTM Test Method	Units	UDEL <sup>®</sup> P-1700 PSU Values
Density	D792-13	g/cm <sup>3</sup>	1.24
HDT at 264 psi	D648-16	°C	183
IZOD Impact, notched, 23°C	D256-10	J/m	44.5
Tensile Strength	D638-14	MPa	83.1
Tensile Elongation at Break	D638-14	%	5.7
Tensile Modulus (Young's)	D638-14	MPa	2650
Flexural Stress at 5% Strain	D790-15	MPa	114
Flexural Modulus	D790-15	MPa	2660

### APPLICATIONS

- Plumbing hot water fittings and manifolds
- Food service components
- Medical devices
- Microwave cookware components
- Semiconductor manufacturing

### FEATURES

- Compliance to the requirements of ASTM D6394-14 S-P0112
- Compliance to FDA, NSF and 3-A requirements
- Resistance to gamma or electron beam radiation
- Toughness, rigidity and high strength
- Resistance to detergents and hydrocarbon oils

### SIZES

#### Plates

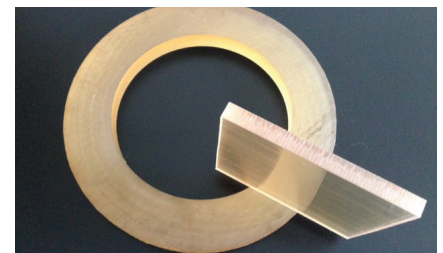
Thickness: 3/8" to 6"  
Width: 12", 18", 24"  
Length: 4'

#### Rods

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

#### Tubular Bars

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



UDEL<sup>®</sup> is a registered trademark of Solvay Specialty Polymers or its affiliates.

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