

P/N	OD	Tol
PSURO.250	0.250	+.005,-0
PSURO.312	0.312	+.005,-0
PSURO.375	0.375	+.005,-0
PSURO.500	0.500	+.005,-0
PSURO.625	0.625	+.005,-0
PSURO.750	0.750	+.005,-0
PSUR1.000	1.000	+.005,-0
PSUR1.125	1.125	+.005,-0
PSUR1.250	1.250	+.005,-0
PSUR1.500	1.500	+.005,-0
PSUR2.000	2.000	+.020,-0
PSUR2.500	2.500	+.020,-0
PSUR3.000	3.000	+.020,-0

Physical Property	ASTM TEST METHOD	Units	Values
Upper Service Temp.			-148 F TO 392 F -100 C TO 200 C
Specific Gravity	D792		1.24
Water Absorption	D570(2)	%	.30
Tensile Strength	D638	PSI	10,200
Elongation	D638	%	30
Flex Modulus	D790	PSI	400
Hardness	D2240 SHORE D		80

Notes: Additional rod sizes are available. For pricing and lead-time please contact customer service with dimensions, lengths, and quantities.

PSU rod is produced to order — MOQ may apply.

Polysulfone Rods

Polysulfone (PSU) is a translucent, amorphous, high-performance engineering thermoplastic. It has a unique combination of strength, chemical resistance and stability, making it a clear choice for demanding critical applications. PSU is highly resistant to degradation by steam and boiling water and retains its mechanical properties even when exposed to a broad temperature range, including repeated sterilization.

Features

- High temperature resistance
- Excellent mechanical properties
- Good chemical resistance
- Hydrolytic stability
- Transparency
- Biocompatibility

Applications

- Medical Devices
- Connectors
- Surgical Instruments
- Electric and electronic components
- Autoclavable instruments and trays
- Food service equipment
- Cable insulators
- Fluid Control Components

Specifications

• **Temperature:** -148 F TO 392 F / -100 C TO 200 C

• **Standard Lengths:** 6 FT / 12 FT