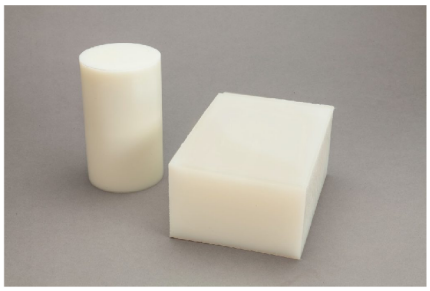
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Propylux® GS



Propylux™ GS (gamma sterilizable polypropylene) extruded rods and sheets are made from FDA, USP VI compliant polypropylene resin. Its broad chemical resistance, low moisture absorption, hydrolysis resistance, and toughness make it ideal for single use medical and life science applications that will be sterilized via EtO gas, gamma or e-beam irradiation. It is formulated with a unique additive package designed to minimize the color shift and loss of mechanical properties that can typically occur with standard medical grades of polypropylene. Semi-finished shapes are stress relieved to improve dimensional stability during fabrication and end use.

INDUSTRY

Life Sciences

COLORS AVAILABLE

Natural

ATTRIBUTES

- Chemical Resistance
- Biocompatibility
- Impact Resistance

SHAPES

- Extruded Slab
- Extruded Rod

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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength @ Yield	D638	3.8 kpsi	26 MPa
Tensile Strength @ Elongation	D638	10.5%	10.5%
Flexural Modulus - Tangent	D790	138 kpsi	950 MPa
Flexural Modulus - Secant	D790	131 kpsi	900 MPa
Deflection Temperature @ 66 psi	D648	172°F	79°C
Izod Impact Resistance - Notched @ 23°C	D256	1.4 ft-lb/in	75 J/m
Gardner Impact @ 23°C	D5420	>320 in-lb	>36 J

*The data presented above is based on testing of the material using injected molded specimens.

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PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

2.25" (57.15mm) 2.5" (63.5mm) 2.75" (69.85mm) 3.0" (76.2mm) 3.25" (82.55mm) 3.5" (88.9mm)

Rods: 96"L (244cm)

0.5" (12.7mm) 0.75" (19.05mm) 1.0" (25.4mm) 1.25" (31.75mm) 1.5" (38.1mm) 1.75" (44.45mm)

2.0" (50.8mm)

Extruded Slabs: 24"W (61cm)

0.75" (19.05mm) 1.0" (25.4mm) 1.25" (31.75mm) 1.5" (38.1mm) 1.75" (44.45mm) 2" (50.8mm)

2.5" (63.5mm)

LAST REVISED: 08/28/2025

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