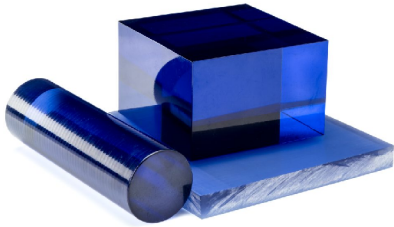




P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® GS



Zelux® GS is a range of extruded polycarbonate preform products designed for medical device and life science applications that are intended to be sterilized via e-beam or gamma irradiation. Product exhibits excellent impact resistance and good strength and stiffness up to 250°F. Polycarbonate resin meets the requirements of USP VI and ISO 10993 biocompatibility standards. Extruded product is fully lot traceable.

INDUSTRY



Life Sciences

COLORS AVAILABLE



Transparent Blue

ATTRIBUTES

Biocompatibility	✓
Heat Resistant	✓
Impact Resistance	✓
Dimensional Stability	✓

SHAPES

Extruded Slab	✓
Extruded Sheet	✓
Extruded Film	✓
Extruded Rod	✓



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TYPICAL PROPERTIES

PROPERTY	ASTM TEST METHOD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	339 kpsi	2,340 MPa
Flexural Strength - Yield	D790	14 kpsi	97 MPa
Izod Impact Resistance - Notched	D256	16.99 ft-lb/in	907 J/m
Tensile Elongation @ Break	D638	135.00 %	135.00 %
Tensile Elongation @ Yield	D638	6.50 %	6.50 %
Tensile Modulus	D638	335 kpsi	2,310 MPa
Tensile Strength @ Break	D638	9.8 kpsi	68 MPa
Tensile Strength @ Yield	D638	8.9 kpsi	62 MPa
Thermal			
HDT @ 264 psi	D648	255 °F	124 °C
HDT @ 64 psi	D648	275 °F	135 °C
Physical			
Moisture Absorption (24h, 23C)	D570	0.15%	0.15%
Specific Gravity	D792	1.20	1.20

*Data above is based on testing of injection molded test specimens



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PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.375" (34.93mm)	1.5" (38.1mm)
1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)	3" (76.2mm)
3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	5" (127mm)	6" (152.4mm)
7" (177.8mm)	8" (203.2mm)	9" (228.6mm)	10" (254mm)	12" (304.8mm)	

Extruded Slabs: 24"W (61cm)

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	1.75" (44.45mm)
2.0" (50.8mm)	2.5" (63.5mm)	3.0" (76.2mm)			

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.03" (0.76mm)	0.035" (0.89mm)	0.060" (1.52mm)	0.062" (1.57mm)	0.080" (2.03mm)	0.090" (2.29mm)
0.095" (2.41mm)	0.125" (3.18mm)	0.1875" (4.76mm)	0.25" (6.35mm)		

Extruded Films: 26"W (66cm)

0.002" (0.05mm)	0.003" (0.08mm)	0.004" (0.1mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)
0.025" (0.64mm)					

LAST REVISED: 01/30/2025

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