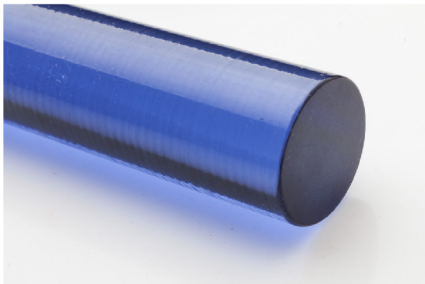




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Zelux® GS





Zelux® GS is an extruded polycarbonate rod and sheet designed for gamma and e-beam sterilization. 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. Suitable sterilization methods include gamma, e-beam, and ethylene oxide (EtO). Extruded product is fully lot traceable.


INDUSTRY





COLORS AVAILABLE

-  Transparent
-  Blue

ATTRIBUTES

 Biocompatibility	
 Impact Resistance	
 Dimensional Stability	
 Heat Resistant	

SHAPES

Extruded Slab	
Extruded Sheet	
Extruded Film	
Extruded Rod	



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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	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	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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Zelux® GS

PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

0.5" (12.7mm)	0.625" (15.88mm)	0.75" (19.05mm)	0.875" (22.23mm)	1" (25.4mm)	1.25" (31.75mm)
1.375" (34.93mm)	1.5" (38.1mm)	1.625" (41.28mm)	1.75" (44.45mm)	1.875" (47.63mm)	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)	4.25" (107.95mm)	4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)
5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)	6" (152.4mm)	6.50" (165.1mm)	6.75" (171.45mm)
7" (177.8mm)	8" (203.2mm)	9" (228.6mm)	10" (254mm)	11" (279.4mm)	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)
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LAST REVISED: 01/05/2024

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