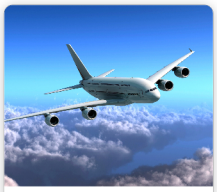
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Zelux® W

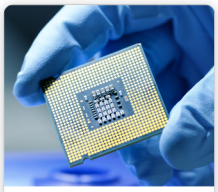
Zelux® W is a window grade polycarbonate (PC) that is optically clear with excellent dimensional stability, good strength, and stiffness, offering service temperatures up to 250°F. Zelux® W is often used for structural applications when clarity and impact strength are essential, including: lenses, manifolds, sight glass, and machine guards.

INDUSTRY



Aerospace & Defense

Engineering



Semiconductor and ESD

COLORS AVAILABLE

Transparent

ATTRIBUTES

- Impact Resistance
- Dimensional Stability
- Transparent
- Optical Clarity

SHAPES

- Compression Sheet

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Zelux® W

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	339 kpsi	2,344 MPa
Flexural Strength - 5%	D790	13.6 kpsi	93 MPa
Izod Impact Resistance - Notched	D256	17 ft-lb/in	907 J/m
Tensile Elongation @ Break	D638	170 %	170 %
Tensile Elongation @ Yield	D638	6 %	6 %
Tensile Modulus	D638	350 kpsi	2,413 MPa
Tensile Strength @ Break	D638	10.4 kpsi	71 MPa
Tensile Strength @ Yield	D638	8.8 kpsi	60 MPa
Thermal			
HDT @ 264 psi	D648	264°F	129°C
Physical			
Moisture Absorption	D570	0.15 %	0.15 %
Specific Gravity	D792	1.20	1.20
Electrical			
Volume Resistivity	D257	1 x 10^{17} ohm-cm	1 x 10^{17} ohm-cm

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

Other			
Flammability Rating**	UL 94 (file number E240206)	V-0 @ 0.37 inches (natural/clear)	

**Results based on testing of machined test specimens

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Zelux® W

PRODUCT SHAPES & DIMENSIONS

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

0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)
1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)		

LAST REVISED: 08/03/2026

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