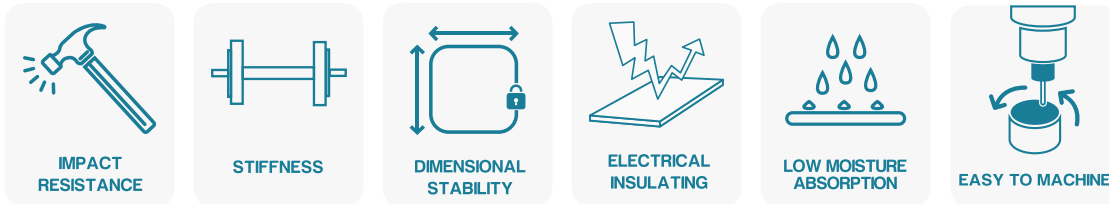


# PC ZELUX<sup>®</sup> M

## Machine Grade

Zelux<sup>®</sup> is a Registered Trademark of Westlake Plastics Co.

Zelux polycarbonate is an engineering plastic with excellent dimensional stability and good strength and stiffness over a wide range of service temperatures. Zelux is used for a wide variety of electrical applications due to its low moisture absorption, good electrical insulating properties (Dielectric Strength 760 v/mil) and an excellent flammability rating (UL Yellow Card file E240206). Zelux is easy to fabricate, paint, and glue.



Property	Units	Test Standard	Result
<b>Mechanical</b>			
Flexural Modulus	psi	ASTM D790	339,000
Flexural Strength @yield	psi	ASTM D790	14,100
Izod Impact Strength Notched @73°F	ft-lbs/in	ASTM D256	17.0
Un-Notched	ft-lbs/in	ASTM D256	60.0
Tensile Elongation @break	%	ASTM D638	135.0
Tensile Strength @break	psi	ASTM D638	9,900
@yield	psi	ASTM D638	8,900
<b>Thermal</b>			
Coefficient of Thermal Expansion	in/in/°F	ASTM E831	3.44x10 <sup>-5</sup>
Heat Deflection Temperature @66 psi (.250")	°F	ASTM D648	280
@264 psi (.250")	°F	ASTM D648	270
<b>Other</b>			
Specific Gravity	—	ASTM D792	1.20

### Applications Include:

- Translucent Impact Shields
- Translucent Fluid Handling Components
- Translucent Manifolds
- Translucent Impact resistant housings and Covers
- Translucent Prototyping Parts
- Electrical Insulating Components
- Metal Replacement / Weight Reduction

### Manufacturing Capabilities:



### Colors:

Natural

Translucent White

Black

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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