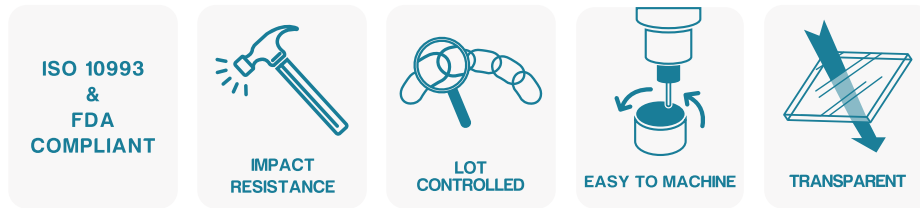


# ZELUX<sup>®</sup> GS

Gamma Stabilized

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

Medical grade Zelux GS polycarbonate is produced from resin formulated to meet the stringent performance characteristics and requirements of the healthcare industry. Suitable for gamma, E Beam, EtO gas and limited autoclaving sterilization, the resin utilizes proprietary color enhancement technology to reduce color shift caused by gamma radiation.



The following physical property information is based on typical values of the base gamma stabilized polycarbonate resin.

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:

- Surgical equipment
- Instrument components
- Housings and covers

### Manufacturing Capabilities:



### Colors:

Clear with blue

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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