



** ZELUX® is the registered trademark of

WESTLAKE PLASTICS COMPANY

PRODUCT CAPABILITIES:

Standard : · Rod : 1" - 1.5"
Non-Standard : · Rod : 3/8" - 6" , · Heavy
Gauge Sheet : 3/8" - 6"

ADVANTAGES:

- Resin Is USP Class VI Compliant
- Excellent Impact Resistance
- Lot Controlled And Traceable
- Easy To Machine
- Optical Clarity

PRODUCT COLORS:

- Clear with Blue Tint

APPLICATIONS INCLUDE:

- Surgical Equipment
- Instrument Components
- Housings And Covers

GENERAL PROPERTIES	ASTM or UL Test	ZELUX® GS Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.2
Water Absorption, 24 hrs (%)	D570	-
MECHANICAL		
Tensile Strength at Yield (psi)	D638	9,000
Tensile Elongation at Break (%)	D638	135
Compressive Strength at Yield (psi)	D695	-
Flexural Strength (psi)	D790	14,200
Flexural Modulus (psi)	D790	340,000
IZOD Notched Impact (ft-lb/in)	D256	17
IZOD Un-Notched Impact (ft-lb/in)	D256	60
Hardness, Rockwell R	D785	R118
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	3.8
Heat Deflection Temp (°F / °C) @ 264 psi	D648	270 / 132
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-
Flammability Rating	UL-94	-
ELECTRICAL		
Surface Resistivity (ohms/sq)	D257	-
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	-
Static Decay, 15% RH (seconds)	MIL-B-81705-B	-

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.