



# ZELUX® M

Machine Grade PolyCarbonate / Machine Grade PC



\*\* ZELUX® is the registered trademark of

## WESTLAKE PLASTICS COMPANY

### PRODUCT CAPABILITIES:

- Sheet : 3/8" - 4"
- Rod : 1/4" - 10"

### ADVANTAGES:

- Good Mechanical And Electrical Properties
- High Flexural Strength
- Good Thermal Stability
- Excellent Impact Strength
- UL94 Rated V-O @ 0.375"
- Low Out-gassing
- Low Moisture Absorption

### PRODUCT COLORS:

- Black
- Clear

### APPLICATIONS INCLUDE:

- Automotive Equipment
- Disk Drive Assembly Fixtures
- Semiconductor/Electronic Components
- Telecommunication Hardware

GENERAL PROPERTIES	ASTM or UL Test	ZELUX® M Typical Values
<b>PHYSICAL</b>		
Specific Gravity (g/cm <sup>3</sup> )	D792	1.2
Water Absorption, 24 hrs (%)	D570	0.15
<b>MECHANICAL</b>		
Tensile Strength (psi)	D638	9,000
Tensile Elongation at Yield (%)	D638	7
Flexural Strength (psi)	D790	13,500
Flexural Modulus (psi)	D790	340,000
IZOD Notched Impact (ft-lb/in)	D256	17
IZOD Un-Notched Impact (ft-lb/in)	D256	No Break
Hardness, Rockwell	D7852	R118 / M70
<b>THERMAL</b>		
Coeff. of Thermal Expansion (x 10 <sup>-5</sup> in./in./°F)	D696	3.8
Heat Deflection Temp (°F / °C) @ 264 psi	D648	270 / 132
Thermal Conductivity (BTU-in/ft <sup>2</sup> -hr-°F)	C177	1.32
Flammability Rating @ 0.375"	UL-94	V-O
<b>ELECTRICAL</b>		
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	1.0 x 10 <sup>17</sup>
<b>OPTICAL</b>		
Haze (%)	D1746	1

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.