



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
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.2
Water Absorption, 24 hrs (%)	D570	0.15
MECHANICAL		
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
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	1.32
Flammability Rating @ 0.375"	UL-94	V-O
ELECTRICAL		
Volume Resistivity (ohm-cm) at 73°F, 50% RH	D257	1.0 x 10 ¹⁷
OPTICAL		
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.