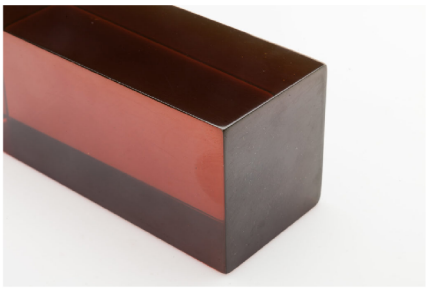
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Tempalux® WM



Tempalux® WM is Westlake's medical grade polyetherimide (PEI). Its regulatory compliance profile and lot traceability make it ideal for use in medical and life science applications. Sterilization methods include EtO gas, radiation, steam autoclaving, dry heat, and cold sterilization.

INDUSTRY

Life Sciences

COLORS AVAILABLE

Black Natural

ATTRIBUTES

- Biocompatibility
- Heat Resistant
- Chemical Resistance
- Dimensional Stability

SHAPES

- Extruded Slab
- Extruded Sheet
- Extruded Film
- Extruded Rod

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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	497 kpsi	3,430 MPa
Flexural Strength - Yield	D790	25 kpsi	173 MPa
Izod Impact Resistance - Notched	D256	0.99 ft-lb/in	53 J/m
Tensile Elongation @ Break	D638	60.00 %	60.00 %
Tensile Elongation @ Yield	D638	7.00 %	7.00 %
Tensile Modulus	D638	519 kpsi	3,580 MPa
Tensile Strength @ Break	D638	13 kpsi	90 MPa
Tensile Strength @ Yield	D638	15 kpsi	110 MPa
Thermal			
HDT @ 264 psi	D648	393 °F	201 °C
Physical			
Moisture Absorption	D570	0.25 %	0.25 %
Specific Gravity	D792	1.27	1.27
Electrical			
Volume Resistivity	D257	1 x 10^{17} ohm-cm	1 x 10^{17} ohm-cm

*Data above is based on testing of injection molded test specimens

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PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

2.25" (57.15mm) 2.50" (63.5mm) 2.75" (69.85mm) 3" (76.2mm)

Rods: 96"L (244cm)

1" (25.4mm) 1.25" (31.75mm) 1.50" (38.1mm) 1.75" (44.45mm) 2" (50.8mm)

Extruded Slabs: 24"W (61cm)

1.5" (38.1mm) 2.0" (50.8mm)

Extruded Sheets: 48"W x 96"L (122cm x 244cm)

0.03" (0.76mm) 0.035" (0.89mm) 0.06" (1.52mm) 0.062" (1.57mm) 0.08" (2.03mm) 0.09" (2.29mm)

0.095" (2.41mm) 0.125" (3.18mm) 0.1875" (4.76mm) 0.25" (6.35mm)

Extruded Films: 26"W (66cm)

0.002" (0.05mm) 0.005" (0.13mm) 0.010" (0.25mm) 0.020" (0.51mm)

LAST REVISED: 08/28/2025

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