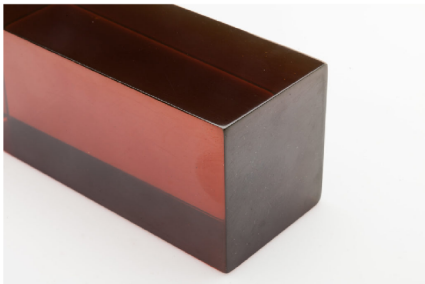




P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Tempalux® WM

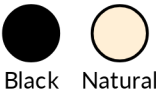


Tempalux® WM is Westlake’s medical grade polyetherimide (PEI). Its regulatory compliance profile and lot traceability make it ideal for use in medical and life science applications. Sterilization methods include EtO gas, radiation, steam autoclaving, dry heat, and cold sterilization.



INDUSTRY



COLORS AVAILABLE



ATTRIBUTES

 Biocompatibility	✓
 Chemical Resistance	✓
 Dimensional Stability	✓
 Heat Resistant	✓

SHAPES

Extruded Slab	✓
Extruded Sheet	✓
Extruded Film	✓
Extruded Rod	✓



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

Tempalux® WM

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



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

Tempalux® WM

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)

0.5" (12.7mm) 0.75" (19.05mm) 1.0" (25.4mm) 1.25" (31.75mm) 1.5" (38.1mm) 1.75" (44.45mm)

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) 0.003" (0.08mm) 0.004" (0.1mm) 0.005" (0.13mm) 0.01" (0.25mm) 0.02" (0.51mm)

LAST REVISED: 01/05/2024

This information is offered solely for your consideration, examination and verification, and is to be construed neither as a warranty nor guarantee that the same results as those stated herein will be obtained by the use to which others may put the material. Each user of the material should make his own tests to determine the characteristics and suitability of the material for his own particular use and the use which will be made of the completed product. This publication is not to be taken as a license to operate under, or a recommendation to infringe any patents. The observance of all legal regulations and patents is the responsibility of the user. The buyer's exclusive remedy against the seller shall be for the repair or replacement of defective stock. No other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or other incidental or consequential loss) shall be available to the buyer.

EXCLUSION OF WARRANTIES: THERE ARE NO WARRANTIES AS TO THE MATERIAL DESCRIBED HEREIN, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE. ANY VALUES STATED IN SELLER'S LITERATURE ARE TYPICAL PROPERTIES ONLY.