



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

Pomalux® WM



Pomalux® WM POMc Polyoxymethylene copolymer has excellent mechanical, electrical, and wear properties and is good choice for many bearing and wear applications since it has low coefficient of friction and wears well in both wet and dry environments. Natural (off-white), black and select colors of Pomalux WM are made from POMc resins that are USP VI and ISO 10993 tested and are suitable for use in certain types of medical devices and pharmaceutical applications. Contact your local Westlake Plastics representative for specific regulatory declarations. Westlake Plastics manufactures all Pomalux POMc extruded & compression molded sheets, plates, and rods in accordance with ASTM D6100. This specification covers requirements and test methods for the material, dimensions, workmanship and the properties of the semi-finished shapes.

INDUSTRY



COLORS AVAILABLE



ATTRIBUTES

Chemical Resistance	✓
Food Contact	✓
Wear Resistance	✓
Biocompatibility	✓
Dielectric Properties	✓

SHAPES

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



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TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Strength @ Yield	D638	13.7 kpsi	94.5 Mpa
Tensile Elongation @ Yield	D638	75%	75%
Tensile Modulus	D638	357 kpsi	2461 Mpa
Flexural Modulus	D790	375 kpsi	2586 Mpa
Izod Impact Resistance - Notched	D256	1.5 ft-lb/in	6.7 kJ/m
Thermal			
HDT @ 264 psi	D648	230°F	110°C
Physical			
Moisture Absorption	D570	0.2%	0.2%
Specific Gravity	D792	1.41	1.41

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



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PRODUCT SHAPES & DIMENSIONS

Rods: 96"L (244cm)

0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)	1.5" (38.1mm)	1.75" (44.45mm)
2" (50.8mm)					

Rods: 48"L (122cm)

2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)	3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)
3.75" (95.25mm)	4" (101.6mm)				

Extruded Slabs: 24"W (61cm)

0.75" (19.05mm)	1.0" (25.4mm)	1.25" (31.75mm)	1.50" (38.1mm)	2.0" (50.8mm)	2.5" (63.5mm)
2.75" (69.85mm)	3.0" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4.0" (101.6mm)

Compression Sheets: 24"W x 48"L (61cm x 122cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

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

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	



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Compression Sheets: 48"W x 120"L (122cm x 305cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

Compression Sheets: 60"W x 120"L (152cm x 305cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.5" (12.7mm)	0.75" (19.05mm)	1" (25.4mm)	1.25" (31.75mm)
1.5" (38.1mm)	1.75" (44.45mm)	2" (50.8mm)	2.25" (57.15mm)	2.5" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	

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)			

Extruded Films: 26"W (66cm)

0.020" (0.51mm)	0.025" (0.64mm)
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