



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

Pomalux®

Pomalux® POMC Polyoxymethylene is made from resin that is suitable for use in certain food contact applications, contact your local Westlake Plastics representative for specific regulatory declarations. Pomalux is a acetal copolymer. Pomalux® POMC has excellent mechanical, electrical, and wear properties. Pomalux® POMC is an excellent choice for many bearing and wear applications since it has low coefficient of friction and wears well in both wet and dry environments. It is widely used for assembly jigs and fixtures because of its good dimensional stability and excellent wear properties. Pomalux® POMC is often specified for electrical applications when low moisture absorption and high dielectric strength are required. Both natural (white) and black Pomalux® POMC are FDA compliant for use in food processing machinery. Westlake Plastics manufactures all Acetal extruded & compression molded sheets, plates, and rods in accordance with ASTM D6100. This specification covers requirement and test methods for the material, dimensions, workmanship and the properties of the semi-finished shapes.

Industry



[Engineering](#)

Colors Available

Black

Natural

Attributes

- [High Gas Permeability](#)
- [Biocompatibility](#)
- [Statically Conductive](#)
- [Thermoformable](#)
- [Food Contact](#)
- [Chemical Resistance](#)
- [Dielectric Properties](#)
- [Wear Resistance](#)
- [Steam Sterilizable](#)
- [Easy to Machine](#)

Shapes

- [Extruded Slab](#)



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

Pomalux®

- [Compression Sheet](#)
- [Extruded Sheet](#)
- [Extruded Film](#)
- [Extruded Rod](#)

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

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)



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

Pomalux®

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)

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)

1.50" (38.1mm)

1.75" (44.45mm)

2" (50.8mm)

2.25" (57.15mm)

2.50" (63.5mm)

2.75" (69.85mm)

3" (76.2mm)



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

Pomalux®

3.25" (82.55mm)

3.50" (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)

1.50" (38.1mm)

1.75" (44.45mm)

2" (50.8mm)

2.25" (57.15mm)

2.50" (63.5mm)

2.75" (69.85mm)

3" (76.2mm)

3.25" (82.55mm)

3.50" (88.9mm)

3.75" (95.25mm)

4" (101.6mm)

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



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

Pomalux®

0.25" (6.35mm)

0.375" (9.53mm)

0.5" (12.7mm)

0.75" (19.05mm)

1" (25.4mm)

1.25" (31.75mm)

1.50" (38.1mm)

1.75" (44.45mm)

2" (50.8mm)

2.25" (57.15mm)

2.50" (63.5mm)

2.75" (69.85mm)

3" (76.2mm)

3.25" (82.55mm)

3.50" (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)



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

Pomalux®

1.25" (31.75mm)

1.50" (38.1mm)

1.75" (44.45mm)

2" (50.8mm)

2.25" (57.15mm)

2.50" (63.5mm)

2.75" (69.85mm)

3" (76.2mm)

3.25" (82.55mm)

3.50" (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)

Last Revised: 01/30/2025



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

Pomalux®

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.