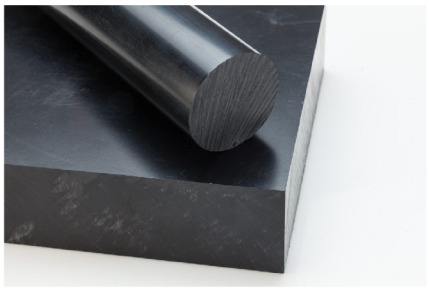
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

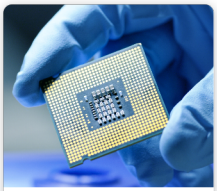
Norylux™



Norylux™ PPO modified Poly Phenylene Oxide is a high-strength, amorphous, engineering plastic with outstanding mechanical, thermal, and electrical properties. Low moisture absorption and low coefficient of thermal expansion make Norylux PPO one of the most dimensionally stable thermoplastics available. Norylux PPO is widely used for electrical housings and structural components since it has excellent insulating properties, flame resistance, strength and stiffness, and dimensional stability over a wide range of service temperatures. Norylux PPO is often selected for fluid handling applications since it has low moisture absorption and hydrolytic stability. Norylux PPO machines easily and may be fabricated into complex shapes with close tolerances. Norylux PPO is also easy to weld and glue, and it provides good adhesion to paints, inks, and other decorative coatings. Westlake Plastics extrudes and compression molds unfilled and flame-retardant products and compression molds glass reinforced and glass/mineral filled products.

INDUSTRY

Engineering



Semiconductor and ESD

COLORS AVAILABLE

Black

ATTRIBUTES

- Dimensional Stability
- Dielectric Properties
- Impact Resistance

SHAPES

- Compression Sheet
- 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.

Norylux™

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Flexural Modulus	D790	369 kpsi	2,550 MPa
Flexural Strength - Yield	D790	14 kpsi	99 MPa
Izod Impact Resistance - Notched	D256	3.48 ft-lb/in	186 J/m
Tensile Elongation @ Yield	D638	25.00 %	25.00 %
Tensile Strength @ Yield	D638	9.1 kpsi	63 MPa
Thermal			
HDT @ 264 psi	D648	253 °F	123 °C
Physical			
Moisture Absorption	D570	0.07 %	0.07 %
Specific Gravity	D792	1.08	1.08

*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.

Norylux™

PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

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)	4.25" (107.95mm)	4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)

Rods: 96"L (244cm)

0.5" (12.7mm)	0.625" (15.88mm)	0.75" (19.05mm)	0.875" (22.23mm)	1" (25.4mm)	1.25" (31.75mm)
1.375" (34.93mm)	1.5" (38.1mm)	1.625" (41.28mm)	1.75" (44.45mm)	1.875" (47.63mm)	2" (50.8mm)

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)	2.50" (63.5mm)	2.75" (69.85mm)
3" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)	4.25" (107.95mm)
4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)	5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)
6" (152.4mm)					

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)	4.25" (107.95mm)
4.50" (114.3mm)	4.75" (120.65mm)	5" (127mm)	5.25" (133.35mm)	5.50" (139.7mm)	5.75" (146.05mm)
6" (152.4mm)					

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

Norylux™

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)
1.50" (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)	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)			

Extruded Films: 26"W (66cm)

0.002" (0.05mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)	0.025" (0.64mm)

LAST REVISED: 08/28/2025

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 ITERATURE ARE TYPICAL PROPERTIES ONLY.