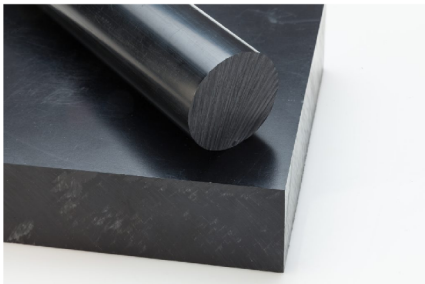




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Norylux™

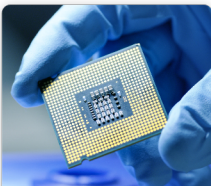


Norylux™ PPO modified Poly Phenylene Oxide is a high-strength, amorphous, engineering plastic with outstanding mechanical, thermal, and electrical properties. Low moisture absorption and low coefficient of thermal expansion make Norylux PPO one of the most dimensionally stable thermoplastics available. 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 Rod	✓



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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



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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)	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)					



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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)
1.50" (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)			

LAST REVISED: 01/05/2024

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