



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

Fluorolux™



Fluorolux™ Polyvinylidene Fluoride (PVDF) is a semi-crystalline, high purity thermoplastic fluoropolymer that offers excellent corrosion and chemical resistance at both ambient and elevated temperatures. PVDF is one of the most rigid and abrasion resistant of the melt-processible fluoropolymers. With service temperatures up to 150°C, PVDF is also inherently UV stable, mechanically tough, and abrasion, flame, and smoke resistant.

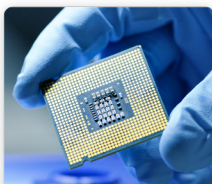
INDUSTRY



Aerospace & Defense



Chemical Process



Semiconductor and ESD

COLORS AVAILABLE



Natural

ATTRIBUTES



Flammability Resistance



Dielectric Properties



Chemical Resistance



Heat Resistant



SHAPES

Compression Sheet



Extruded Sheet



Extruded Rod





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

Fluorolux™

TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
Mechanical			
Tensile Elongation @ Break	D638	>50%	>50%
Tensile Elongation @ Yield	D638	5% - 10%	5% - 10%
Tensile Modulus	D638	203 - 334 kpsi	1400 - 2300 MPa
Tensile Strength @ Break	D638	4 - 7 kpsi	30 - 50 MPa
Tensile Strength @ Yield	D638	6 - 8 kpsi	40 - 55 MPa
Thermal			
HDT @ 264 psi	D648	221°F	105°C
Physical			
Specific Gravity	D792	1.76 - 1.79	1.76 - 1.79
Hardness Shore D	D2240	73 - 80	73 - 80
Other			
Water Absorption	D570	<0.04%	<0.04%

*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.

Fluorolux™

PRODUCT SHAPES & DIMENSIONS

Rods: 48"L (122cm)

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)	7" (177.8mm)		

Rods: 96"L (244cm)

.5" (12.7mm)	.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)				

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

0.25" (6.35mm)	.375" (9.53mm)	.5" (12.7mm)	.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)	.5" (12.7mm)	.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 120"L (122cm x 305cm)

.25" (6.35mm)	.375" (9.53mm)	.5" (12.7mm)	.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)	



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

Fluorolux™

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

.03" (0.76mm)	.035" (0.89mm)	.06" (1.52mm)	.062" (1.57mm)	.08" (2.03mm)	.09" (2.29mm)
.095" (2.41mm)	.125" (3.18mm)				

LAST REVISED: 01/30/2025

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 LITERATURE ARE TYPICAL PROPERTIES ONLY.