



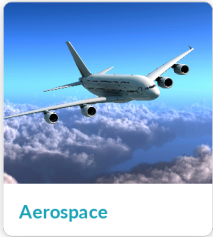
P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

# Kynar®



Kynar® 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



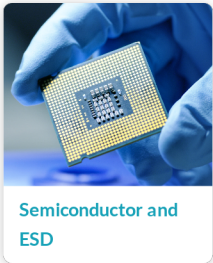
Aerospace



Chemical Process



Life Sciences



Semiconductor and ESD

COLORS AVAILABLE



Black    Natural    Red

ATTRIBUTES

	Wear Resistance	✓
	Chemical Resistance	✓
	Heat Resistant	✓
	Dielectric Properties	✓
	Flammability Resistance	✓

SHAPES

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



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## TYPICAL PROPERTIES

PROPERTY	TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Tensile Strength @ Yield	D638	6.5-8.0 kpsi	45-55 Mpa
Tensile Strength @ Break	D638	5.0-8.0 kpsi	35-55 Mpa
Tensile Elongation @ Yield	D638	5-10%	5-10%
Tensile Elongation @ Break	D638	20-100%	20-100%
Tensile Modulus	D638	200-335 kpsi	1400-2300 Mpa
Flexural Strength	D790	8.5-11.0 psi	59-76 Mpa
Flexural Modulus	D790	200-335 kpsi	1400-2300 Mpa
Izod Impact Resistance - Notched	D256	1.8-4.0 ft-lb/in	0.096-0.210 kJ/m
Izod Impact Resistance - Unnotched	D256	20-80 ft-lb/in	1.1-4.3 kJ/m
Specific Gravity	D792	1.78	1.78
<b>Thermal</b>			
HDT @ 64psi	D648	257-284°F	125-140°C
HDT @ 264 psi	D648	221-239°F	105-115°C
<b>Physical</b>			
Moisture Absorption	D570	0.02%	0.02%

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



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## PRODUCT SHAPES & DIMENSIONS

### Rods: 48"L (122cm)

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)	7" (177.8mm)		

### Rods: 96"L (244cm)

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)				

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

0.25" (6.35mm)	0.375" (9.53mm)	0.50" (12.7mm)	0.750" (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 96"L (122cm x 244cm)

0.25" (6.35mm)	0.375" (9.53mm)	0.50" (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)

0.250" (6.35mm)	0.375" (9.53mm)	0.50" (12.7mm)	0.750" (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)	



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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)				

Extruded Films: 26"W (66cm)

0.002" (0.05mm)	0.003" (0.08mm)	0.004" (0.1mm)	0.005" (0.13mm)	0.010" (0.25mm)	0.020" (0.51mm)
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LAST REVISED: 01/05/2024

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