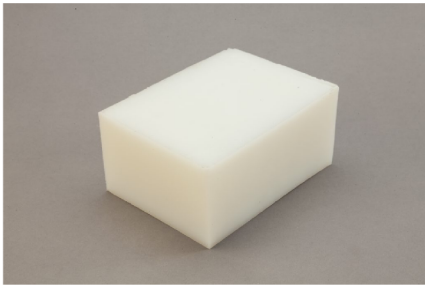




P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

# Ultra Ethylux® DS



Ultra Ethylux® DS HDPE delivers unmatched dimensional stability and machining performance. A proprietary stabilization process minimizes internal stress, reducing warpage and reducing costly annealing steps, saving time and money. Lightweight yet tough, with excellent chemical resistance and low moisture absorption, Ultra Ethylux® DS is the ideal choice for precision parts in advanced semiconductor applications.

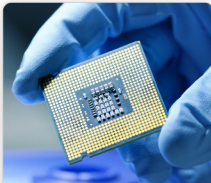
INDUSTRY



Chemical Process



Engineering



Semiconductor and ESD

COLORS AVAILABLE



Natural

ATTRIBUTES

Impact Resistance	✓
Easy to Machine	✓
Dimensional Stability	✓
Low Moisture Absorption	✓
Chemical Resistance	✓

SHAPES

Compression Sheet	✓
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# Ultra Ethylux® DS

## TYPICAL PROPERTIES

PROPERTY	ASTM TEST STANDARD	ENGLISH UNITS	METRIC UNITS
<b>Mechanical</b>			
Flexural Modulus - 1% Secant	D790	225 kpsi	1,550 MPa
Tensile Elongation @ Break	D638	>400%	>400%
Tensile Strength @ Yield	D638	4.6 kpsi	32 MPa
<b>Thermal</b>			
HDT @ 66 psi	D648	180 °F	82 °C
<b>Physical</b>			
Specific Gravity	D792	> 0.960	> 0.960

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



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# Ultra Ethylux® DS

## PRODUCT SHAPES & DIMENSIONS

### 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)	2.0" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3.0" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4.0" (101.6mm)	

### 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)	1.0" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2.0" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3.0" (76.2mm)	3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4.0" (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)	1.0" (25.4mm)	1.25" (31.75mm)
1.50" (38.1mm)	1.75" (44.45mm)	2.0" (50.8mm)	2.25" (57.15mm)	2.50" (63.5mm)	2.75" (69.85mm)
3.0" (76.2mm)	3.25" (82.55mm)	3.5" (88.9mm)	3.75" (95.25mm)	4.0" (101.6mm)	

LAST REVISED: 12/10/2025

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