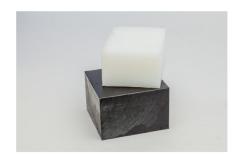






P: 1.800.999.1700 | F: 610.459.1084 | info@westlakeplastics.com | 490 West Lenni Road, Lenni, PA 19052 U.S.A.

Ultra Ethylux® FDA



Ultra Ethylux® High Density Polyethylene (HDPE) is one of the most widely utilized thermoplastics due to its relative low cost, light weight, toughness, resistance to a broad range of chemicals and low moisture absorption. It meets a range of regulatory standards making it suitable for use in food processing, medical device and pharmaceutical processing and packaging applications.

INDUSTRY





COLORS AVAILABLE





ATTRIBUTES



SHAPES

Compression Sheet









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Ultra Ethylux® FDA

TYPICAL PROPERTIES

| PROPERTY | TEST STANDARD | ENGLISH UNITS | METRIC UNITS |
|------------------------------|---------------|---------------|--------------|
| Mechanical | | | |
| 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 |
| Thermal | | | |
| HDT @ 64 psi | D648 | 180°F | 82°C |
| Physical | | | |
| Specific Gravity | D792 | > 0.960 | > 0.960 |

^{*}Data above is based on testing of injection molded test specimens







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Ultra Ethylux® FDA

PRODUCT SHAPES & DIMENSIONS

| 0.25" (6.35mm) | 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: 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) | | | | | | | |
| 0.375" (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) | | |
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LAST REVISED: 10/05/2023

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