

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



Chemical Process



Engineering

COLORS AVAILABLE



Black



Light Grey

ATTRIBUTES



Food Contact



Low Moisture Absorption



Chemical Resistance



Impact Resistance



SHAPES

Compression Sheet



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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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PRODUCT SHAPES & DIMENSIONS

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

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)
3.25" (82.55mm)	3.50" (88.9mm)	3.75" (95.25mm)	4" (101.6mm)		

LAST REVISED: 10/05/2023

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