

HDPE ULTRA-ETHYLUX[®]

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Ultra Ethylux is made from high density polyethylene resin. This material is a cost effective alternative for a variety of end uses including mild chemical and wear applications. The following physical property information is based on typical values of the base high density polyethylene resin.



Property	Units	ASTM	Result
Mechanical			
Flexural Modulus	psi	D780	170,000
Hardness-Shore D	-	D2240	D63-D65
Izod Impact Strength-Notched	ft.bs/in	D256	3.2-4.5
Tensile Elongation @break	%	D638	>700
Tensile Modulus	psi	D638	136,000
Tensile Strength @yield	psi	D638	4,000
Thermal			
Coefficient of Thermal Expansion	in/in/°F	D696	7-11x10 ⁻⁵
Continuous Use Temperature	°F	-	210
Flammability Rating-UL94	-	-	HB
Heat Deflection Temperature @66psi	°F	D648	168
Low Temperature Brittleness	°F	D746	<-112
Melt Temperature	°F	D4591	260
Other			
Specific Gravity	-	D792	0.95
Water Absorption @24 hours	%	D570	0.03
Environmental Stress Crack	F ₅₀ hrs.	D1693	120

Applications Include:

- Food processing equipment
- Cutting boards
- CPI, fluid handling
- Wear applications

Manufacturing Capabilities:



Colors:

Natural

Translucent White

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

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