

Westlake Ultra Ethylux®

High Density Polyethylene

Westlake Plastics Company

Message:

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.

Applications Include:

Food processing equipment

Cutting boards

CPI, fluid handling

Wear applications

Advantages of Ultra Ethylux:

Good corrosion resistance

High stress crack resistance

Low moisture absorption

Good tensile strength and stiffness

Virgin HDPE - FDA compliant

General Information			
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Corrosion Resistance		
	Good Stiffness		
	Good Wear Resistance		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Tensile Strength		
	Low Moisture Absorption		
Uses	Appliances		
	Food Service Applications		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Appearance	Natural Color		
	Translucent		
	White		
Forms	Rod		
	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.030	%	ASTM D570

Environmental Stress-Cracking Resistance (F50)	120	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	63 to 65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	938	MPa	ASTM D638
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	> 700	%	ASTM D638
Flexural Modulus	1170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	170 to 240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.6	°C	ASTM D648
Continuous Use Temperature	98.9	°C	
Brittleness Temperature	< -80.0	°C	ASTM D746
Melting Temperature	127	°C	ASTM D4591
CLTE - Flow	1.3E-4 to 2.0E-4	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

