

## LDPE

### Product Applications

Architectural  
Bathrooms  
Chemical Corrosion  
Food Service  
Industrial  
Marine / RV  
Prototype/Modeling  
Neutron Shielding  
Parks & Recreation  
Pipe-grade PE-3408  
Signage



King Plastic Corporation provides low density polyethylene sheets for applications where corrosion resistance is a factor but stiffness, high temperatures and structural strength are not.

LDPE Natural is made with FDA- and USDA-approved material. Easily fabricated, welded and thermoformed. LDPE is moisture resistant, impact resistant, somewhat flexible and has good abrasion resistance.

### General Applications:

- Vacuum-formed parts
- Root barriers
- Die cut parts
- Orthopedic and prosthetic appliances
- Electrical insulators

[View the Material Safety Data Sheet](#) | [View the Physical Properties Sheet](#)

### Standard Sheet Sizes

48" x 96"

### Standard Gauge (Inches)

1/16" to 2 1/2" Other thicknesses available upon request

# LDPE

## SHEETS, SLABS AND MASSIVE SHAPES

### Tolerances

Gauges	Both width and length
1/16" - 3/4" +/- 5% 1" - 1-1/2" -5% +10% 1-3/4" AND OVER +ONLY	+1/2" / -1/4"

Property	Units	ASTM	Nominal Value*
Density	g/cc	D1505	0.918
Tensile Strength @ Yield	p.s.i.	D638	>1,400
Elongation @ Break	%	D638	>500
Flexural Modulus	p.s.i.	D790	30,000
Durometer	Shore D	D785	42
Vicat Softening Temp.	°C	D1525	89
Notched Izod Impact	-	D256	No Break
Heat Deflection Temperature at 66 P.S.I.	°C	D648	50

\*All values are determined on specimens prepared according to ASTM testing procedures (if applicable). Nominal values should not be interpreted as specifications.