

# High Density Polyethylene (HDPE) –black & white

- High Impact Resistance
- FDA & USDA compliant
- Resistant to most acids & solvents
- Temperature up to 180 degrees F
- Sawing, Milling, Thermoforming, Welding using standard tooling
- Sheet thicknesses 1/16” thru 3”
- Standard sheet size is 48” x 96” –other sizes available
- Rods available 1/4 “ dia to 12” dia

## Typical applications

- Water tanks
- Food cutting boards
- Light duty chutes
- Boat components
- Wear strips
- Machined parts

# HDPE

## SHEETS, SLABS AND MASSIVE SHAPES

### Tolerances

Gauges	Both width and length
1/8" - 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	.955
Tensile Strength @ Yield	p.s.i.	D638	>4100
Elongation @ Break	%	D638	>600
Flexural Modulus	p.s.i.	D790	125,000
Durometer	Shore D	D2240	69
Tensile Impact	ft. lbs./in <sup>2</sup>	D1822	115
Brittleness Temp.	°C	D746	<-76
Vicat Softening Temp.	°C	D1525	125
Heat Deflection Temp. 66PSI	°C	D648	73
Co-efficient of Linear Ther- mal Expansion	in./in./°F	D696	6x10 <sup>-5</sup>

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

# HDPE Sheets

4 ft x 8 ft

<b>Thickness</b>	<b>weight</b>
1/16	10.1 lbs
3/32	15.2
1/8	20.2
3/16	30.3
1/4	40.4
3/8	60.6
1/2	80.8
5/8	101
3/4	121.2
1	161.6
1-1/4	202
1-1/2	242.4
1-3/4	282.8
2	323.3
2-1/4	363.7
2-1/2	404.1
2-3/4	444.5
3	484.9
3-1/4	525.3
3-1/2	565.7