

**High Density Extruded Polyethylene Sheet**

JungleGEM™ HDPE is created with an extrusion process using heat and pressure which transforms co-polymer high density polyethylene pellets into sheets of various thicknesses.

Current thickness production capability: .200” to 1.5”

Current sheet size production capability: max. 75” wide x 216” long - min. 36” x 36”  
(max./min. varies with thickness)

Tolerance Information:

Gauges: +/- 5%

Length: +.25”/-0” (at room temperature)

Width: +.25”/-0” (at room temperature)

Layflat: 0 - 1/8” (at room temperature) in any four foot direction

Properties	Units	Nominal Values	ASTM
Density	g/cc	0.955	D1505
Tensile Strength @ Yield	psi	>4,100	D638
Tensile Modulus	psi	250,000	D638
Elongation @ Break	%	>600	D638
Elongation @ Yield	%	9.8	D638
Flexural Modulus	psi	185,000	D790
Flexural Stress @ 5% Strain	psi	3,810	D790
Compressive Properties @ 10% Strain	psi	4,950	D695
Durometer	Shore D	68	D2240
Tensile Impact	ft.lbs/in <sup>2</sup>	115	D1822
Izod Impact Resistance	ft/lb/in <sup>2</sup>	1.1	D256
Brittleness Temp.	°C/°F	<-76°C (<-105°F)	D746
Vicat Softening	°C/°F	123°C(253°F)	D1525
Heat Deflection Temp. 66 psi	°C/°F	75°C (167°F)	D648
Coefficient of Linear Thermal Expansion	10 <sup>-6</sup> in/in C deg	155	D696
Anti-Skid Wet Coefficient of Friction	%	.60	D2047

The information contained in this document is derived from published data contained within several source documents. ASI GEM Plastics makes no warranties or representations with respect to the information or the product materials described herein, and expressly disclaims all implied warranties and conditions. This information is subject to change without notice. ASI GEM Plastics does not assume responsibility for any data obtained from third party sources.

Come visit us today at [www.gemplastics.com](http://www.gemplastics.com) or join us on Facebook at [www.facebook.com/GemPlastics](http://www.facebook.com/GemPlastics)