

HITEC® HDPE

TYPICAL PHYSICAL PROPERTIES	Nominal Value	Units	ASTM Test Method
Melt Index	0.80	g/10 min	D 1238
Density	0.960 +	g/cm ³	D 1505
Tensile Strength @ Yield	4,600	psi	D 638
Elongation @ Break	>600	%	D 638
Coefficient of Linear Thermal Expansion	6 x 10 ⁻⁵	In./in./°F	D696
Flexural Modulus	225,000	psi	D 790
Tensile Impact	120	ft-lb/in	D 1822
Low Temperature Brittleness F ₅₀	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	82	°C	D 648
Maximum Service Temperature, Air	180	°F	Long Term
Vicat Softening Point	129	°C	D 1525
Hardness, Shore D	69		D 2240
Absorption	Max 0.01%		D5709(2)
Flammability Rating	UL94 HB		
Compliances	FDA, USDA, NSF		



801 Corey Street, Scranton, PA 18505
 Phone: 1.800.235.8320
 Fax: 1.800.858.9266
 Website: www.vycomplastics.com

Physical properties of plastic sheeting are represented as "Typical". Information contained herein is considered accurate to the best of our knowledge. It is offered for your consideration and investigation, and is not to be construed as a representation or warranty expressed or implied. Our warranties are limited to those expressly stated in formal contracts or in conditions of sale on our invoices and order acceptances. Conditions and methods of use may vary and are beyond the control of Scranton Products; therefore, Scranton Products disclaims any liability incurred as a result of the use of this product in accordance with the data contained in our physical property charts. No information herein shall be construed as an offer of indemnity for infringement or as a recommendation to use the products in such a manner as to infringe any patent, domestic or foreign.

The "Typical" properties of our plastic sheet cannot be automatically used when engineering finished components; and the fabricator or end user is responsible for insuring the suitability of our products for their specific application or end use!