

DESIGNBOARD™ HDPE

TYPICAL PHYSICAL PROPERTIES	UNITS OF MEASURE	VALUE	ASTM METHOD
Physical			
Density	g/cm ³	0.96	D 792
Water Absorption	%	0.01	D 570
Melt Index	g/10 min	0.80	D 1238
Mechanical			
Tensile Strength @ Yield	psi	4,600	D 638
Elongation @ Break	%	>600	D 638
Hardness	Shore D	73	D 2240
Tensile Impact	ft-lb/in	120	D 1822
Flexural Modulus	psi	225,000	D 790
Tensile Impact	ft-lb/in	120	D 1822
Thermal			
Heat Deflection Temp (66 psi)	°F	180	D 648
Coefficient of Linear Expansion	in/in/°F	6 x 10 ⁻⁵	D 696
Vicat Softening Point	°F	264	D 1525
Low Temperature Brittleness	°F	< -168	D 746
Flammability			
Vertical Burn Test	-	HB	UL 94
Compliances			
	-	RoHS	

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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!