

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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