



Typical Physical Properties:

Vycom Food Processing High Density Polyethylene

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.8	g/10 min	D 1238
Density	0.96	g/cm ³	D 1505
Tensile Strength @ Yield	4,600	psi	D 638
Elongation @ Break	>400	%	D 638
Coefficient of Linear Thermal Expansion	6.5x10 ⁻⁵	In./In.°F	D 696
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		Long Term
Vicat Softening Point	129	°C	D 1525
Hardness, Shore D	69		D 2240
Absorption	Max.0.01%		D 5709(2)
Flammability Rating	UL94 HB		
Compliances	FDA, USDA, NSF*(natural only)		



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*Effective Date: January 1, 2016

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!