

# HDPE ColorCore Product Details

## Material and Physical Datasheet

### Tolerance information:

Cap thickness is .050" for both sides of the material

**Tolerance information:** Gauges 1/4" up to 3/4"  $\pm$  5%  
Length and width plus only at room temperature

Custom sheet sizes, gauges, and colors available

Properties	Units	ASTM	Nominal Values
Density	g/cc	D1505	0.955
Tensile Strength @ Yield	psi	D638	>4,100
Tensile Modulus	psi	D638	255,000
Elongation @ Yield	%	D638	9.8
Elongation @ Break	%	D638	>600
Flexural Modulus	psi	D790	185,000
Flexural Stress @ 5% Strain	psi	D790	3,810
Compressive Properties 10% Strain	psi	D695	4,950
Durometer	Shore D	D2240	68
Tensile Impact	ft.lbs./in.2	D1822	115
Izod Impact Resistance	ft.lbs./in.2	D256	1.1
Brittleness Temp.	°C (°F)	D746	<-76°C (<-105°F)
Vicat Softening	°C (°F)	D1525	123°C (253°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	75°C (167°F)
Screw and Nail Withdrawal	lbs	D1761	657 & 63
Flammability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should not be interpreted as specifications.

ColorCore is made entirely from FDA and USDA approved material.

ColorCore meets ASTM D4976.

The raw material used to make ColorCore does not contain BPA's or Phthalates.



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