



POLYTONE UV-HDPE SHEET

Exceptional UV Resistance In Multi-Colors For Outdoor & Indoor Signage

For creative designs and long-lasting appearance in signage, specify UV stabilized Polytone sheet. Milling through the outer layer into a contrasting color core creates highly visible letters and patterns. This durable material maintains its appearance after years of exposure to sub-zero or tropical temperatures, in dry or damp conditions, in corporate, retail, recreational and institutional facilities and grounds. Co-extrusion of the cap and core colors assures no delamination. Polytone sheet also sets the standard for easy and consistent fabrication with low inherent stress and exceptional flatness from Laminations' process technology.



PROVEN APPLICATIONS

- Information and direction signs
- Retail and concession ID
- Recreational facilities
- Institutions and offices
- Parking lots, campgrounds
- Golf course and trail markers

Typical properties:

PROPERTY	ASTM SPEC	UNIT	HDPE
Specific Gravity	D 792	****	0.96
Water Absorption	D570	%	<0.01
Tensile Strength (yield)	D1708, D638	psi	3600
Elongation (break)	D1708, D638	%	700
Flexural Modulus	D790 @ 23 C	psi	175000
Notched Izod Impact	D256 @ 23 C	ft-lb/in.	3
Shore D Hardness	D2240	***	68
Continuous Service Temperature	Maximum	°C	76
		°F	170
Melting Point	D3418	°C	131
		°F	267
Coefficient of Expansion	E831 TMA	in/in/°F (10 ⁻⁵)	6.7

* Continuous Service Temperature based upon "non-chemical Dry Usage".
 * Table data reflects ASTM based average typical vendor data.
 * Data meant as general guidelines only.
 * Specific applications require additional testing by the buyer.
 * All properties based on standard unbacked product tests only

Polytone Sheet

Multi-Color Combinations outer/ core/ outer	Gauges	
	3/4"	1/2"
black / white / black	✓	✓
red/yellow/red	✓	✓
red/white/red	✓	✓
play blue/ yellow/ play blue	✓	✓
play blue/ white/ play blue	✓	✓
forest green/ white/ forest grn	✓	✓
forest green/ tan/ forest grn	✓	NA
tan/red/tan	✓	NA
tan/forest green/tan	✓	NA
yellow/blue/yellow	✓	NA
yellow/red/yellow	✓	NA
yellow/black/yellow	✓	NA

Standard sheet sizes by gauge:
 3/4": 48" x 120" 1/2": 48" x 96"

Tolerances:
 +1/2 - 0" L & W +/-5% gauge

Standard Solid Colors:
 Red, Yellow, Forest Green, Play Blue, Tan

Custom Colors, Sizes:
 Call inside sales for custom size and color minimums and lead times.

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