



**POLYTONE UV-HDPE SHEET**

**Exceptional UV Resistance In Solid and Multi-Colors For Playgrounds & Outdoor Structures**

For creative, colorful designs that stand the tests of time and wear and tear in playground and other outdoor structures and enclosures, specify UV stabilized Polytone sheet. This durable material maintains its color and finish after years of exposure to intense sun, tropical or sub-zero temperatures and dry or damp conditions. Co-extrusion of the cap and core assures no delamination of the array of multi-color options. Polytone sheet also sets the standard for easy and consistent fabrication with low inherent stress and exceptional flatness from Laminations' unique process technology.



**PROVEN APPLICATIONS**

- Playground structures
- Outdoor furniture and cabinetry
- Sports equipment storage units
- Storage sheds and shed doors
- Partitions
- Basketball backboards

Multi-Color Combinations	Gauges	
	3/4"	1/2"
outer/ core/ outer	✓	✓
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

**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 <sup>-5</sup> )	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**

**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 Sizes, Colors:**

Contact inside sales

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