DAKOTA

Recreational Products

The Colorful Environmentally Stabilized Polymer Sheet

King ColorBoard® is a colorful environmentally stabilized high-density polyethylene sheet. It is the product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency. King ColorBoard® has a matte finish on both sides of sheet. It is environmentally stabilized to withstand the harshest outdoor conditions. King ColorBoard® will not rust, delaminate or rot when exposed to UV, humidity or water. The material is versatile, durable and colorfast for the competitive edge you're looking for. Its bright, primary colors make it ideal for sign, industrial, marine, playground and recreational applications. For maximum versatility, standard colors are made to coordinate with King ColorCore®. The polymer sheet never needs painting or refinishing, works like wood and it is easy to fabricate using common woodworking tools and techniques.

King ColorBoard® is upgradable to King MicroShield® with advanced antimicrobial technology for protecting the product surface against stain and odor causing bacteria, algae and fungi.*

King ColorBoard® is upgradable with King FlameShield for ASTM E-84 Class A Flame Compliance and CAN/ULC-S102 for Canadian Compliance.

For more information about King MicroShield® and King FlameShield, please visit www.kingplastic.com

KING COLORBOARD®

Applications

- Children's Furniture
- Hospitals
- Museums
- Parks and Recreation
- School Equipment
- Theme Parks

Specifications

Standard Sheet Size
in: 48" x 96"
mm: 1219 mm x 2438 mm

Standard Gauges
in: 1/4" | 1/2" | 3/4"
mm: 6.4 mm | 12.7 mm | 19 mm

Approximate Weight
lbs: 40 lbs | 80 lbs | 120 lbs
kg: 18.14 kg | 36.3 kg | 54.4 kg

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

Custom sheet sizes, gauges, and colors available

Standard Colors

KPG Blue

KPG Green

KPG Red

KPG Orange

KPG Yellow

KPG Tan

Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices. Disclaimer: King MicroShield® may affect color. King FlameShield may affect finish and color.

*For bacteriostatic, fungistatic, & algistatic properties. This product is exempt from registration under 40 CFR 152.25(a). King MicroShield® effectiveness verified by ISO and ASTM standards. This product does not protect users or others from disease-causing bacteria. Always clean this product thoroughly after use.

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 @ Break	%	D638	>600
Elongation @ Yield	%	D638	9.8
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 Temp.	°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.
King ColorBoard® is made entirely from FDA and USDA approved material.
King ColorBoard® meets ASTM D4976.
The raw material used to make King ColorBoard® does not contain BPA's or Phthalates.

DAKOTA
PREMIUM HARDWOODS & SO MUCH MORE!

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