The Colorful Environmentally Stabilized Polymer Sheet

King ColorBoard® is a high density polyethylene sheet that is versatile, durable and colorfast for the competitive edge you're looking for. Environmentally stabilized for a lifetime of worry-free use in harsh outdoor environments. 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®. King ColorBoard® features an attractive matte finish and is manufactured to the highest standards in the industry. Accelerated color weather tests performed by independent labs and several independent R&D departments show that King ColorBoard retains its color better and longer, thanks to the stringent standard of environmental protection built in every sheet.

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 or B 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: 1219mm x 2438mm

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

Approximate Weight
lbs: 40 lbs | 80 lbs | 120 lbs
kg: 18kg | 36kg | 54kg

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 @ 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 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.

King Plastic Corporation
Our Innovation. Your Imagination.®

1100 N. Toledo Blade Blvd. | North Port, FL 34288 USA
P: 941.493.5502 | **F:** 941.497.3274 | www.kingplastic.com