



Recreational Products



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 an exclusive antimicrobial additive from Biosafe®, the latest 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.

Active ingredient (Biosafe®).....antimicrobial siloxane EPA Reg. No. 83019-1
*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.

Biosafe® is a registered trademark of BIOSAFE, Inc.: Patent number 7,851,653 and 7,858,141.

| 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.

King ColorBoard® is made entirely from FDA and made with USDA approved materials.

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