



## Healthcare Products



## The Antimicrobial Polymer Building Sheet for Healthcare Applications

King MediGrade® is a super tough polymer building sheet with an exclusive antimicrobial additive from Biosafe®, the latest technology for protecting the product surface against stains and odor causing bacteria, algae and fungi. The antimicrobial agent is bonded at the molecular level and will not leach out of the product. Unlike surface antimicrobials, the Biosafe® additive protects against bacterial degradation for the lifetime of the product. Healthcare facilities, medical equipment and case goods made with King MediGrade® will stay cleaner and fresher between cleanings. Studies have shown that surfaces with this additive can inhibit the growth of certain product-damaging bacteria by 99%.\*

**KING**  
**MEDI**GRADE®

### Applications

- Cabinetry and Storage Carts
- Clean Rooms
- Dental Facilities
- Hospitals
- Locker Rooms
- Medical Facilities
- Medical Laboratories
- Mobile Computer Carts
- Nursing Homes
- Nurses Stations
- Rest Rooms
- Veterinary Facilities

## 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 | 54.4kg

### 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 upon request

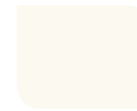
## Standard Colors



Dolphin Gray



Sansshade



Seafoam



White/White

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: The antimicrobial may affect color.

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 MediGrade® 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	0.96
Tensile Strength @ Yield	psi	D638	>4,500
Tensile Modulus	psi	D638	318,000
Elongation @ Break	%	D638	>600
Elongation @ Yield	%	D638	8.8
Flexural Modulus	psi	D790	225,000
Flexural Stress @ 5% Strain	psi	D790	4,480
Compressive Properties 10% Strain	psi	D695	4,790
Durometer	Shore D	D2240	69
Tensile Impact	ft.lbs./in. <sup>2</sup>	D1822	99
Izod Impact Resistance	ft.lbs./in. <sup>2</sup>	D256	1.4
Brittleness Temp.	°C (°F)	D746	<-75°C (<-103°F)
Vicat Softening Temp.	°C (°F)	D1525	172°C (270°F)
Heat Deflection Temp. 66 psi	°C (°F)	D648	84°C (183°F)
Screw and Nail Withdrawal	lbs	D1761	755 & 55
Flammability	Rating	UL94	HB

All values are determined on specimens prepared according to ASTM.

Nominal values should not be interpreted as specifications.

King MediGrade® is made entirely from FDA and made with USDA approved materials. King MediGrade® meets ASTM D4976.

King MediGrade® contains no VOC's.



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