

# KING MEDIGRADE®

## Tolerance information:

Gauges 1/4" up to 1-1/2" ± 5%  
 Length and width plus only at room temperature  
 Custom sheet sizes, gauges, and colors available upon request

## Physical Properties

\*Please note the antimicrobial additive will not affect the physical properties of the material

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 USDA approved material.

King MediGrade® meets ASTM D4976.

King MediGrade® contains no VOC's.

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King Plastic Corporation  
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