

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. ² | D1822 | 99 |
| Izod Impact Resistance | ft.lbs./in. ² | 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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