



## Tolerance information:

### Compression Molding

Gauges 1/16" through under 1-1/2" ± 10% | Gauges 1-1/2" and greater plus only | Length and width plus only at room temperature

Custom gauges available upon request

| Properties                  | Units       | ASTM         | Nominal Values<br>Black/Natural ABS | Nominal Values<br>White ABS |
|-----------------------------|-------------|--------------|-------------------------------------|-----------------------------|
| Density                     | g/cc        | D1505 / D792 | 1.03                                | 1.04                        |
| Tensile Strength @ Yield    | psi         | D638         | >6,000                              | >6,400                      |
| Elongation @ Break          | %           | D638         | 40                                  | 24                          |
| Flexural Modulus            | psi         | D790         | 300,000                             | 333,000                     |
| Flexural Strength           | psi         | D790         | 10,700                              | 9,430                       |
| Durometer                   | R Scale     | D785         | 102                                 | 102                         |
| Izod Impact                 | ft.lbs./in. | D256         | 7.7                                 | 6.0                         |
| Vicat Softening Temp.       | °C (°F)     | D1525        | 104°C (219°F)                       | 99°C (210°F)                |
| Heat Deflection Temp. 66psi | °C (°F)     | D648         | 94°C (201°F)                        | 97°C (206°F)                |
| Flammability                | Rating      | UL94         | HB                                  | HB                          |

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should not be interpreted as specifications.

King KPC ABS Black is made entirely from FDA approved materials.

King KPC ABS Natural is made entirely from FDA approved materials.

King KPC ABS White is made entirely from FDA approved materials.

King KPC ABS Black/Natural/White does not contain any or the 29 substances of very high concern based on the European Chemical Agency.

King KPC ABS Black/Natural/White are RoHS Compliant.

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