



*Synthetic skating rink made from HDPE*

- Commercial cutting boards
- Prototyping for machine parts
- Wear strips, brush blocks and tank linings
- Solar collectors, valve bodies
- Vacuum formed parts
- Livestock containment
- Material handling systems
- Telecom ducts
- Chemical resistant piping systems
- Ballistic plates
- Chemical containment
- Storage sheds



*Snow sleds  
made from  
KPC HDPE  
sheets*

King KPC high-density polyethylene is produced with our proprietary K-Stran® process for unsurpassed flatness and quality up to 1 1/2" in thickness, for larger gauges our state-of-the-art compression molding system is utilized to create the same quality sheets, slabs or massive shapes. King KPC HDPE natural is FDA approved and NSF certified. Thus being NSF certified makes it an outstanding material for professional food services and operations. It is extremely versatile with outstanding properties and good chemical resistance for a wide variety of applications, at very competitive cost. KPC HDPE has a low coefficient of friction and can be easily cut, colored, machined, welded, and thermoformed for easy fabrication. It may be used for some structural fabrication because of its superior tensile strength, much more than Low Density Polyethylene. It is moisture resistant, impact resistant and has great abrasion resistance. The material will not splinter, rot or retain harmful bacteria, odors, and is very resistant to cleaning agents.

*For additional information visit [www.kingplastic.com](http://www.kingplastic.com)*



## Standard Colors

Natural      Black

Custom colors quoted upon request.

## Standard Sheet Thickness

Standard Gauge (*inches*)

1/8" | 3/16" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 1" |  
1 1/4" | 1 1/2" | 1 3/4" | 2" | 2 1/4" | 2 1/2" | 2 3/4" | 3" | 4"

Standard Sheet Sizes (*inches*)

48" x 96"

Custom Sizes Available up to 96" and 100'+ in length

Standard Gauges (*mm*)

3.18mm | 4.76mm | 6.35mm | 9.53mm | 12.7mm  
| 15.88mm | 19.05mm | 25.4mm | 31.75mm  
| 38.1mm | 44.75mm | 50.8mm | 57.2mm | 63.5mm  
| 69.9mm | 7mm | 101.6mm

Standard Sheet Sizes (*mm*)

1219mm x 2438mm

Custom thickness up to 30"/508mm with our  
King Size Blocks and Massive Shapes

## Physical Properties

Density g/cc

ASTM      D1505      .96

Tensile Strength @Yield (PSI)

ASTM      D638      >4100

Elongation@ Break %

ASTM      D638      >600

Flexural Modulus (PSI)

ASTM      D790      185,000

Durometer    Shore D

ASTM      D2240      68

Vicat Softening Temp °C

ASTM      D1525      253°

Heat Deflection Temp at 66 psi °F

ASTM      D648      167°

Screw and Nail Withdrawl lbs

ASTM      D1761      657 & 63

Flammability    UL94      HB



We can also add our King MicroShield™ which is a non-toxic anti-microbial upgrade available in many King Plastic products. It helps our products stay cleaner between cleaning and inhibits the growth of product damaging microorganisms. Unlike other antimicrobials, it retains its effectiveness for the lifetime of the sheet without leaching into the environment.



King Plastic Corporation has been developing and manufacturing quality polymer sheets, slabs and massive shapes since 1968.

The King heritage is always making a tireless commitment to innovation, quality and service. Our comprehensive line of products are manufactured at our state-of-the-art headquarters in North Port, Florida, and distributed worldwide.

King Plastic's Limited Warranty is your money back or replacement of defective material. No other warranties are expressed or implied including merchantability and fitness for a particular purpose.

DISTRIBUTED BY:



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