



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 and USDA approved, 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. Our KPC HDPE is made from material that is approved for NSF standard 2 and standard 51, which can be used food containers and food equipment.



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 °F

ASTM D1525 253°

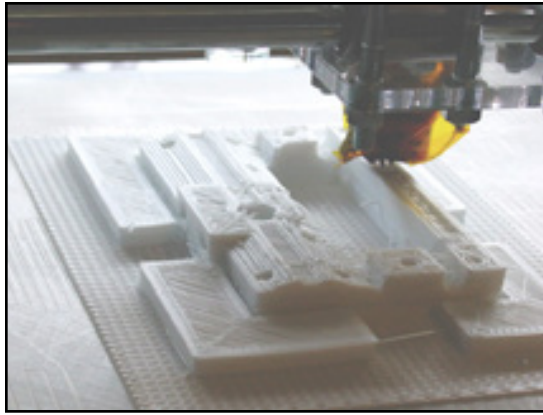
Heat Deflection Temp at 66 psi °F

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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