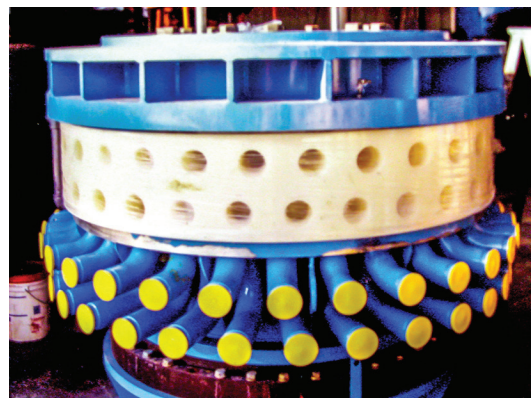




## Industrial Products



# King Performance Commodity Polypropylene

King KPC Polypropylene is a polymer material with excellent chemical, physical, and electrolytic properties. It is the product of a proprietary process called K-Stran™, the most advanced manufacturing process for superior flatness and consistency of up to 1" thick. Gauges greater than 1" are manufactured in our state-of-the-art compression mold. King KPC PolyPro has a natural, smooth finish on both sides of the sheet. It has outstanding stain resistance with low moisture absorption. King KPC PolyPro is stiffer than King KPC LDPE or King KPC HDPE with a good balance of strength to weight ratio. It is used for applications such as containment tanks and covers, ducts and hoods, plating barrels, and valve and pump components. Its excellent arc resistance and dielectric strength also allows King KPC PolyPro to be used in electrical insulation applications. King KPC PolyPro is made with FDA approved materials and meets the requirements of USP Class VI Plastics. The material is easy to machine and fabricate.



## Applications

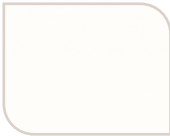
- Containment Tanks and Covers
- Ducts and Hoods
- Plating Barrels
- Valve and Pump Components

Specifications

Standard Sheet Size

in: 24" x 48" in: 48" x 96"  
mm: 610 mm x 1219 mm mm: 1219 mm x 2438 mm

Standard Color



Natural

Note: Color accuracy can vary considerably on computer monitors and printers. Please consult your distributor for a product sample before making critical color choices.

Standard Gauges (24" x 48")

in: 2-1/2" | 3" | 3-1/2" | 4" | 5" | 6" | 7" | 8" | 9" | 10" | 12"  
mm: 63.5 mm | 76.2 mm | 88.9 mm | 101.6 mm | 127 mm | 152.4 mm | 177.8 mm | 203.2 mm | 228.6 mm | 254 mm | 304.8 mm

Standard Gauges (48" x 96")

in: 1/8" | 3/16" | 1/4" | 3/8" | 1/2" | 3/4" | 1" | 1-1/4" | 1-1/2" | 2"  
mm: 3.175 mm | 4.76 mm | 6.35 mm | 9.525 mm | 12.7 mm | 19.05 mm | 25.4 mm | 31.75 mm | 38.1 mm | 50.8 mm

Approximate Weight (24" x 48")

lbs: 19 lbs | 29 lbs | 38 lbs | 56 lbs | 75 lbs | 113 lbs | 150 lbs | 188 lbs | 225 lbs | 300 lbs  
kg: 8.61 kg | 12.7 kg | 17.23 kg | 25.4 kg | 34 kg | 51.25 kg | 68.03 kg | 85.27 kg | 102 kg | 136 kg

Approximate Weight (48" x 96")

lbs: 100 lbs | 120 lbs | 140 lbs | 160 lbs | 200 lbs | 240 lbs | 280 lbs | 320 lbs | 360 lbs | 400 lbs | 480 lbs  
kg: 45.4 kg | 54.4 kg | 63.5 kg | 72.6 kg | 90.7 kg | 108.9 kg | 127 kg | 145 kg | 163 kg | 181.4 kg | 217.7 kg

Tolerance Information:  
K-Stran™

Gauges 1/8" through 1" ± 5% | Length and width plus only at room temperature

Compression Molding

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

Custom sheet sizes, gauges and colors available

Properties	Units	ASTM	Nominal Values 1/8"-1"	Nominal Values >1"
Density	g/cc	D1505	0.9-0.92	0.900
Tensile Strength @ Yield	psi	D638	>4,900	>4,070
Tensile Strength @Break	psi	D638	Not Reported	3,180
Elongation @ Yield	%	D638	13	13
Elongation @ Break	%	D638	Not Reported	675
Flexural Modulus	p.s.i.	D790	200,000	143,000
Durometer	Shore D	D785	Not Reported	76 Rockwell R
Izod Impact, Notched	ft.lbs./in.	D256	1.3	1.6
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 Polypro is made entirely from FDA materials.

King KPC PolyPro meets the requirements of USP Class VI Plastics.

This raw material can be NSF approved.

The raw material used to make this product does not contain BPA's or Phthalates.

RoHS compliant.



King Plastic Corporation  
Our Innovation. Your Imagination.®

1100 N. Toledo Blade Blvd. | North Port, FL 34288 USA  
P: 941.493.5502 | F: 941.497.3274 | [www.kingplastic.com](http://www.kingplastic.com)

