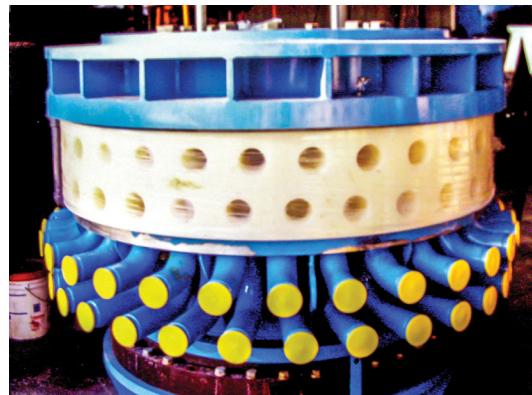




## Industrial Products



### King KPC Polypropylene Products Offer Excellent Chemical Resistance Against Organic Solvents, Degreasing Agents and Electrolytic Products

King KPC Polypropylene is produced with our proprietary K-Stran™ process for unsurpassed flatness and quality up to 1" in thickness. For gauges up to 4", our state-of-the-art compression molding system is utilized to create the same quality slabs. We also have a proprietary process that makes massive shapes.

King KPC Polypropylene offers excellent resistance to chemicals, organic solvents, degreasing agents and electrolytic products. It also has outstanding stain resistance with low moisture absorption. King KPC Polypropylene has exceptional impact resistance at room temperature, with good physical properties, low specific gravity, and is stiffer than King KPC LDPE or King KPC HDPE. King KPC Polypropylene offers a good balance of thermal, chemical and electrical properties with moderate strength. It possesses a good strength to weight ratio.

King KPC Polypropylene has good insulating properties. Its excellent arc resistance and dielectric strength allows polypropylene to be used extensively in electrical applications.

King KPC Polypropylene uses FDA approved materials, and is tested and certified by NSF. It is a good material candidate for professional food services, containment and operations. Other uses for KPC Polypropylene are larger span applications, filter presses and die-cutting surfaces.



### 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:** 610mm x 1219mm      **mm:** 1219mm x 2438mm

## Standard Color



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

Natural

### Standard Gauges (24" x 48")

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

### Standard Gauges (48" x 96")

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

### Approximate Weight (24" x 48")

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

### Approximate Weight (48" x 96")

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

### Tolerance Information:

#### K-Stran™

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

#### Compression Molding

Gauges greater than 1" and under 1-1/2"  $\pm$  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	.905	0.898
Tensile Strength @ Yield	psi	D638	>5,400	>4,100
Tensile Strength @Break	psi	D638	3,000	2,700
Elongation @ Yield	%	D638	9	10
Elongation @ Break	%	D638	100	100
Flexural Modulus	p.s.i.	D790	270,000	145,000
Durometer	Shore D	D785	66	66
Notched Izod Impact	ft.lbs./in. <sup>2</sup>	D256	1.3	0.8
Unnotched Izod Impact	ft.lbs./in. <sup>2</sup>	D256	>25	>25

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.

This raw material can be NSF approved materials.

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

RoHS compliant.



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