



## King KPC ABS FAQ

### **What is King KPC ABS?**

The advantage of King KPC ABS is that this material combines strength and rigidity of the acrylonitrile and styrene polymers with the toughness of the polybutadiene rubber. A variety of modifications have been made to improve impact resistance, toughness and heat resistance. The impact resistance does not fall off rapidly at low temperatures and stability under load is excellent with limited loads. KPC ABS is considered superior for its hardness, gloss, toughness, and electrical insulation properties. KPC ABS easy to machine and available in smaller sizes. It is extensively used in prototyping, the modeling industry and other mechanical applications.

### **What type of finish?**

Smooth finish on both sides.

### **What colors are available?**

King KPC ABS is available in Black, Natural and White. Custom colors are available. Please call Customer Service at 941.493.5502.

### **Can you custom color match?**

Yes. Please call Customer Service at 941.493.5502.

### **What sizes are available?**

King KPC ABS standard sheet sizes include Black and Natural 24" x 48" and 48" x 96". White 48" x 96" only, gauges start at 3/8". Standard gauges are 1/16", 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4", 1-1/2", 1-3/4", 2", 2-1/2", 3", and 4". Custom sheet sizes and gauges available upon request. Please call Customer Service at 941.493.5502.

### **What are the Features and Benefits of King KPC ABS?**

- Easy to machine and fabricate
- Excellent dimensional stability



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- Can be painted and glued
- Improved impact resistance, toughness and heat resistance
- Superior hardness, toughness and electrical insulation properties

## **How to Care and Store?**

- Store the sheets flat on a level surface
- Keep away from teak oil and other products that can stain the finish
- Use china markers or water-based markers to draw patterns
- Pen marks can usually be removed with household cleaners
- Keep away from heat sources that exceed 180°F
- Because there is no grain, parts can be cut from any area of the sheet
- Save the scraps for small parts, shims, spacers and plugs
- Remnants may be eligible for recycling; contact your distributor or King Plastic Corporation for details

## **What are common applications?**

- Automotive Parts
- Industrial Enclosures
- Machine Parts
- Prototype Modeling
- Short Run Production Parts
- Electronic Parts

## **Is King KPC ABS FDA approved?**

Yes

## **Can I use a CNC machine?**

Yes

## **Will the material produce dust when fabricating?**

No, only small shavings that can be recycled.

## **Can I use glue or paint?**

Yes