



King Plastic Corporation

King KPC PolyPro FAQ

What is King KPC PolyPro?

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.

What type of finish?

Smooth gloss finish on both sides of the sheet.

What colors are available?

King KPC PolyPro is available in Natural.

Can you custom color match?

Yes. Please call Customer Service at 941.493.5502.

What is required for custom orders?

Please call Customer Service at 941.493.5502.



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What sizes are available?

King KPC PolyPro standard sheet size is 48" x 96" and 24" x 48". Standard gauges are 1/8", 3/16", 1/4", 3/8", 1/2", 3/4", 1", 1-1/4", 1-1/2", 2", 2-1/2", 3", 3-1/2", 4", 5", 6", 7", 8", 9", 10", 12". Custom sheet sizes and gauges available upon request. Please call Customer Service at 941.493.5502.

Is King KPC PolyPro available with an antimicrobial?

No.

Is King KPC PolyPro available with a flame retardant?

No.

What are the features and benefits of King KPC PolyPro?

- Chemical-resistant against organic solvents, degreasing agents and electrolytic products
- Low moisture absorption
- Impact resistant
- Made with FDA approved materials
- NSF listed

How can the material be fabricated and finished?

Use standard woodworking tools: table saws, table routers, drills, blades and bits. Carbide router bits with two to four flutes are recommended. For more information, please refer to the fabrication brochures.

How to clean and maintain?

- Only routine cleaning with common detergents is required
- Nylon scrub pads and brushes should be used with care because excessive force can mar the finish
- Persistent stains will usually go away if you soak the area with bleach. Do not use 100% chlorine used to treat swimming pools.
- To clean a petroleum stain such as grease or oil; use a citrus cleaner, alcohol or mineral spirits.
- For severe petroleum-based stains, spray with WD40®. Then use



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toluene or acetone and a white nylon scrub pad (colored pads release staining dyes when combined with acetone).

- Do not use MEK, turpentine or naphtha solvent.
- Automotive silicone spray products or household furniture polish can help hide scratches on the surface. To prevent slipping, do not use these products on walking surfaces.

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?

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

Is King KPC PolyPro 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.



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Can I use glue or paint?

Gluing is not recommended. Because King KPC PolyPro sheet products are designed to resist water and grime, they cannot be painted and the use of adhesives is not recommended. It is preferable to mechanically fasten or weld. Specialized welding equipment and rods, designed for use with polymer sheets, are available.