



King KPC PolyPro

FAQ

What is King KPC PolyPro?

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; this means 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.

What type of finish?

Smooth gloss finish on both sides.



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What colors are available?

King KPC PolyPro is available in Natural. 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 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.

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
- Certified by NSF

How Can I Fabricate and Finish it?

Use standard woodworking tools: table saws, table routers, drills, blades and bits. Carbide router bits with two to four flutes are recommended.

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
- For resistant stains, apply bleach and allow it to soak in



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- Use citrus cleaner, alcohol or mineral spirits to remove grease or oil stains
- 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. Special welding equipment and rods, designed for use with polymer sheets, are also available.