

Prime COPP 792

Our Prime COPP 792 is a fractional melt PP that is designed for extrusion applications and offers increased flexibility, and the same chemical resistance as Homopolymer PP.

Features high extruded melt strength, good cold impact resistance, stiffness and impact balance.

Customization

Prime COPP 792 can be solid phase or melt phase formed. The melt phase forming process is preferred, with a forming temperature of 350°F. The mold temperature should be 50–90°F for roll fed machines and 90-150°F for cut sheet machines. The mold shrink is about .015-.018 in/in. Parts should be de-molded < 190°F.

Prime COPP 792 can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Sustainability includes considering the product's circularity or end of life during the design of the finished product. Prime COPP 792 is a polypropylene (recycle code 5) that can be recycled as a post-industrial or post-consumer product. Contact your Primex Territory Business Manager or check with local recycling facilities to determine where it is collected and recycled.

Primex Sustainability: A better tomorrow, starting today!



Prime COPP 792 | Data Sheet

Prime COPP 792 material can be made of FDA compliant polypropylene.

Applications

Prime COPP 792 is ideal for home, medical, and food ware.

Finishing

Prime COPP 792 thinner sheet <.040 is easily trimmed with 1-2 minutes of cooling time. Thinner sheet can be trimmed with a steel rule die. Thicker sheet will require several minutes of cooling time and should be trimmed with a shearing die. Tool and die clearance should be <.005 in. For printing or painting corona or flame surface treating is required.

Colors, Textures, and Capabilities

Prime COPP 792 can be color matched to meet your specific requirements. Textures include; Smooth/Smooth, Gloss/Dull, Levant I & II, HC, and Calf Grain. Thicknesses range from .010-.500 and widths up to 96”.

Property	Method	Value	Unit
Specific Gravity	D792	.90	
Melt Flow	D1238	.50	g/10 min
Tensile @ Yield	D638	4,000	psi
Elongation	D638	>500	%
Flexural Modulus	D790	195,000	psi
HDT @ 66 psi	D648	190	°F
Rockwell Hardness	D785	75	R Scale
Notched Izod @ 72°F	D256	No Break	ft-lb/in

FDA and UL compliant materials available upon request.

Prime COPP 792	Very High	High	Avg.
Impact Strength	*		
Low Temperature Impact Strength		*	
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature		*	