PRIMEX
PLASTICS CORPORATION
A Subsidiary of ICC Industries Inc.

Prime COPP 792 is a fractional melt PP that is designed for extrusion applications with features of high extrude melt strength, good cold impact resistance, stiffness and impact balance. It also offers increased flexibility, and the same chemical resistance as Homopolymer PP.

PRIME COPP 792

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

Property	Test Method	Value	Unit
Melt Flow	D-1238	.50	g/10min
Specific Gravity	D-792	.90	
Tensile @ Yield	D-638	4,000	psi
Elongation @ Break	D-638	>500	%
Flexural Modulus	D-790	195,000	psi
HDT @ 66 psi	D-648	190	ºF
Rockwell Hardness	D-785	75	R Scale
Notched Izod @ 72ºF	D-256	No Break	ft-lb/in

Complies with UL 94 HB at thickness of > .034 in.
Complies with FDA Regulation 21 CFR 177.1520

Applications:

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

Finishing:

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.

Processing:

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

Colors, Textures and Capabilities:

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

Please contact your Primex Plastics representative for more information on finishing, fabricating, or the thermoforming process.

Primex Plastics Corporation
800-222-5116
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Large enough to handle YOUR requirements, small enough to handle YOUR needs.