

# Prime Cor-X PP

Polypropylene

Primex Plastics Corporation

## Message:

This product is a Polypropylene that is extruded into a corrugated configuration that provides good stiffness. The surface can be corona treated so that it will accept inks for silk screening and other types of printing. The flute configuration can run parallel to the extrusion direction or they can be oscillating. A polyspun laminate is also offered for this product.

### Applications:

Prime Cor-X PP is ideal for point of purchase displays, signs, mail totes, automotive dunnage and other types of containers. Furthermore, we also offer a polyspun lamination that will provide the prime surface with a low COF for protecting delicate products. Special formulas provide Conductive (104 - 105 ohms/square) Anti-stat (109 - 1012 Ohms/square) cm and VCI (rust preventative volatile corrosion inhibitor).

### Finishing:

Prime Cor-X PP can be fabricated by drilling, routing, sawing, die cut and/or laser cutting. Mechanical fasteners and sonic welding work well for joining this product together.

Please contact your Primex Plastics representative for more information on finishing, and fabricating.

### Colors, Textures and Capabilities:

Our Prime Cor-X PP comes in a wide variety of industry standard colors or it may be color matched to meet your specific requirements. The texture is smooth. This product is available in 3 to 12mm and up to 104" in width. 2 mm is available up to 80" wide. We offer a polyspun laminate to meet your specific requirements. Prime Cor-X PP is available in cut sheet as well as rolls.

General Information			
Features	Excellent Printability		
	Good Stiffness		
	High Heat Resistance		
	High Tensile Strength		
	Low Temperature Impact Resistance		
	Medium Impact Resistance		
Uses	Automotive Applications		
	Containers		
	Decorative Displays		
	Laminates		
Agency Ratings	FDA 21 CFR 177.1520		
	MIL P-83668		
Appearance	Colors Available		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.906	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	75		ASTM D785
Mechanical	Nominal Value	Unit	Test Method


Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1340	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
 Phone: +86 13424755533  
 Email: sales@su-jiao.com  
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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