

# Prime Cor-X PE

High Density Polyethylene

Primex Plastics Corporation

Message:

This product is HDPE that is extruded into a corrugated configuration that provides relatively good stiffness. The surface can be corona treated so that it will accept inks for silk screening and other types of printing.

Applications:  
Mail totes, all types of boxes and automotive dunnage are just a few of applications that can be fabricated from this product. Prime Cor-X PE may also be used for silk screen signage. It is tougher than cardboard, can be reused, has proven durability, as well as moisture and chemical resistance.

Processing:  
Prime Cor-X PE was not designed to be thermoformed but does work well for fabricating. It can easily be die cut, folded and sonic welded for applications such as boxes, dunnage and other containers.

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

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

Colors, Textures and Capabilities:  
Prime Cor-X PE comes in a variety of industry standard colors and may also be custom color matched to meet your specific requirements. Smooth is the only texture available. Cor-X PE is offered in 2 mm to 12 mm and widths of up to 104". We also offer this product in rolls.

General Information			
Features	Durable		
	Excellent Printability		
	Good Chemical Resistance		
	Good Stiffness		
	High Tensile Strength		
	Low Temperature Impact Resistance		
	Moisture Resistant		
	Ultrasonic Weldable		
Uses	Automotive Applications		
	Containers		
	Decorative Displays		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Colors Available		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.947	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	24.8	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 600	%	ASTM D638

Flexural Modulus (Compression Molded)	1170	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746

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