



Prime Cor-X PE 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.



PRIME COR-X PE

Prime Cor-X PE	Very High	High	Avg.
Impact Strength			*
Low Temperature Impact Strength	*		
Tensile Strength		*	
Flexural Modulus		*	
Heat Deflection Temperature			*

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.

Finishing:

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

Physical Properties are based on injection molded test bars of based resins used.

Property	Test Method	Value	Unit
Specific Gravity	D-1505	.949	
Melt Flow	D-1238	.30	g/10 min
Tensile @ Yield	D-639	3,600	psi
Ultimate Elongation	D-638	>600	psi
Flexural Modulus	D-790	170,000	psi
Brittleness Temperature	D-790	<-180	°F

Complies with FDA Regulations 21 CFR 177.1520

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.

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.

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

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