

Prime COR-X[®] PP

Our Prime COR-X PP has been the material of choice by fabricators and printing in a variety of industries.

Strong and durable, yet extremely lightweight.

Prime COR-X PP is easy fabricated into totes, bins, boxes, and displays, as well as printing.

Customization

Our Prime COR-X PP profile board is made of FDA compliant polypropylene and offered in gauges of 2mm-10mm. It can be customized to meet specific needs such as conductivity or anti-stat.

Prime COR-X PP is available in standard colors as well as custom color matching through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Prime COR-X PP meets industry sustainability standards and can be recycled as a post-industrial or post-consumer product.

Primex Sustainability: A better tomorrow, starting today!



Prime COR-X[®] PP | Data Sheet

Prime COR-X PP 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.

Applications

Prime COR-X PP is ideal for POP displays, signs, mail totes, automotive dunnage, and other types of containers. Special formulas provide conductive (10^4 - 10^5 ohms/square), anti-stat (10^9 - 10^{12} ohms/square), and VCI (volatile corrosion inhibitor).

Finishing

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

Colors, Textures, and Capabilities

Our Prime COR-X PP texture is smooth. This product is available in 3mm to 10mm and up to 104" in width. 2mm is available up to 80" wide. We offer a polyspun laminate to meet your specific requirements. Prime COR-X is available in cut sheet as well as rolls. Special requirements apply.

Property	Method	Unit	4mm	5mm	6mm	10mm
Board Weight	Primex	g/sqft	65	79	104	198
Board Weight	Primex	lbs/MSF	143	174	229	436
Board Weight	Primex	GSM	700	850	1,109	2,131
Compression Strength*	Primex	lbf	108	92	184	211
Corner Crush	Primex	lbf	195	179	381	876
5-Pt Bend	Primex	mm	23.3@7.5#	32.7@10#	17.2@10#	10.8@25#
Edge Crush Test (ECT)	TAPPI	lbf	>200	169	259	730

FDA and UL compliant materials available upon request.

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

COR-X Conductive

Property	Method	Value	Unit
Board Weight	Primex	68	g/sqft
Board Weight	Primex	149	lbs/MSF
Compression Strength	Primex	95	lbf
Corner Crush	Primex	130	lbf
Surface Resistivity		$\leq 10^5$	Ohms/sq

Typical values are based on the testing of 3mm extruded board. Tensile Modulus data is based on grip separation.