

TECHNICAL INFORMATION

V-Max® Synthetic Paper - Uncoated

V-Max® Synthetic Paper is a general purpose high density polyethylene (HDPE) product that offers good performance at a reasonable price. Compared to other synthetic papers, which are typically manufactured using polypropylene resin, V-Max® has superior outdoor durability and UV resistance. It has better than average tear resistance, moderate stiffness and good opacity. It can be printed, die cut, perforated, stapled, sewn and grommited with very good results. It is non-toxic, odorless and can be recycled or incinerated. Uncoated grades meet the FDA requirements for direct food contact.

Uncoated (UCT) V-Max® Synthetic Paper is corona treated on both sides during the final stage of manufacturing. The treating process, which is not a coating, allows inks, adhesives and top coats to adhere to otherwise unreceptive plastic by oxidizing the surface layers of the sheet as it passes under corona arcing. When necessary, Protect-all Print Media bump treats the V-Max® surfaces during slitting or sheeting to ensure adequate surface energy for flexo, screen and thermal transfer printing. The dyne level at the time of shipment is typically in the 42-46 range, with little to no decay expected for up to twelve months under normal storage conditions.

Refer to additional Pressure Sensitive Adhesive (PSA)* Technical Data Sheets where applicable.

PRODUCT NUMBER – VMS10000 10.0 mil UCT V-Max®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	10.0	Continuous Gauging
Yield	Sq.In./Lb.	2,880	Approximate
Basis Weight - 25" x 38" x 500	Lbs./MMSI	350	Approximate
	Lbs./Ream	165	
Tensile Strength At Break - MD/TD Average	Lbs./1" Width	43	ASTM D-882
	PSI	4,302	
Toyo Impact - Spherical Head	Kg./Cm.	41	ASTM D-781
Puncture-Propagation Tear Resistance	Grams	4,500	ASTM D-2582
Initiated Tear Propagation - Tongue Tear	Lbs.	10	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear	Lbs.	11.7	ASTM D-1004
Service Temperature Range	°F.	-70 to +200	
Surface Treatment	Dynes/Sq.Cm.	42 Minimum	
Primary Print Surface (PPS)	Rolls: PPS "Wound-In" Sheets: PPS "Face-Up"		
FDA Status	Title 21,CFR177.1520 Compliant For Direct Food Contact		

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