

## 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 - VMS 6500 YEL 6.5 mil UCT Yellow V-Max®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	6.5	Continuous Gauging
Yield	Sq.In./Lb. Lbs./MMSI	4,430 225.7	Approximate
Basis Weight - 25" x 38" x 500	Lbs./Ream	107	Approximate
Tensile Strength At Break - MD/TD Average	Lbs./1" Width PSI	28 4,312	ASTM D-882
Toyo Impact - Spherical Head	Kg./Cm.	32	ASTM D-781
Puncture-Propagation Tear Resistance	Grams	3,000	ASTM D-2582
Initiated Tear Propagation - Tongue Tear	Lbs.	6.6	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear	Lbs.	6.1	ASTM D-1004
Service Temperature Range	<sup>o</sup> 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		

The information contained herein is to the best of our knowledge true and accurate. Nothing contained herein is to be construed as a recommendation to use any product in conflict with any patent. Purchaser should confirm product compatibility prior to use since CONVERT-ALL, INC. MAKES NO WARRANTIES AS TO THE FITNESS OR MERCHANTABILITY OF ANY PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations, and disclaims all liability for resulting loss or damage. Valéron® and V-Max® are a registered trademarks of ITW. \*Sold under our PrintMaster® product line. PrintMaster® is a registered trademark of Convert-all, Inc.