

## 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 7500 YEL 7.5 mil UCT Yellow V-Max®

| TYPICAL PROPERTIES                        | UNITS  | VALUE          | TEST METHOD        |
|---|--|----------------|--------------------|
| Nominal Gauge - Average                   | Mils   | 7.5            | Continuous Gauging |
| Yield                                     | Sq.In./Lb.<br>Lbs./MMSI                                | 3,839<br>260.4 | Approximate        |
| Basis Weight - 25" x 38" x 500            | Lbs./Ream  | 124            | Approximate        |
| Tensile Strength At Break - MD/TD Average | Lbs./1" Width<br>PSI                                   | 32.5<br>4,347  | ASTM D-882         |
| Toyo Impact - Spherical Head              | Kg./Cm.  | 40             | ASTM D-781         |
| Puncture-Propagation Tear Resistance      | Grams  | 3,500          | ASTM D-2582        |
| Initiated Tear Propagation - Tongue Tear  | Lbs.   | 8.5            | ASTM D-1938        |
| Uninitiated Tear Resistance - Graves Tear | Lbs.   | 7.0            | ASTM D-1004        |
| Service Temperature Range                 | <sup>0</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 |                |                    |

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