

TECHNICAL INFORMATION

V-Max® Synthetic Paper - Clay Coated

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 grommeted 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.

Clay Coated V-Max® Synthetic Paper, available in Coated One Side (C1S)* and Coated Two Side (C2S) versions, has improved printability over uncoated (UCT) V-Max® due to the absorptive nature of the coating. The clay surface allows inks to dry faster, by absorption as well as oxidation, reducing the chance of offsetting and permitting faster press speeds. Ink holdout and color reproduction is excellent and thermal transfer printing with wax or wax/resin ribbons is improved over uncoated V-Max®. The clay coating also serves to increase opacity and provides an attractive, smooth matte-white finish.

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

PRODUCT NUMBER - VMS 10099 10.0 mil C2S V-Max®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge (Average)	Mils	10.0	Continuous Gauging
Yield	sq.in./lb Lbs./mmsi	2,851 350.7	Approximate
Tensile Strength At Break			ASTM D-882
MD	(lbs/1" width) (psi)	40 4,218	
TD	(lbs/1" width) (psi)	42 4,429	
Toyo Impact (Spherical Head)	kg/cm	35	ASTM D-781
Puncture-Propagation Tear Resistance	Newtons Grams	42 4,200	ASTM D-2582
Initiated Tear Propagation (Tongue Tear)			ASTM D-1938
MD	Lbs	10.2	
TD	Lbs	11.5	
Uninitiated Tear Resistance (Graves Tear)			ASTM D-1004
MD	Lbs	9.7	
TD	Lbs	10.0	
Use Temperature	200 ⁰ F max.	-70 ⁰ F min.	Approximate
Print Enhancement Coating	2 sides	42 dynes min.	