

TECHNICAL INFORMATION

Valéron® Synthetic Paper - Clay Coated

Valéron® Synthetic Paper is a multi-layer product comprised of thin individual layers of high density polyethylene (HDPE) that have been extruded, stretched, bias-cut and cross laminated into a composite structure comprised of three to fifteen total layers. The end result is a unique polyolefin sheet or “plastic plywood” that is extremely tough, tear resistant and completely waterproof. Unaffected by most chemicals, it has a wide service temperature range and is formulated to provide extended outdoor performance. It is non-toxic, odorless and can be recycled or incinerated.

Clay Coated Valéron® Synthetic Paper, available in Coated One Side (C1S)* and Coated Two Side (C2S) versions, has improved printability over uncoated (UCT) Valéron® 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 Valéron®. 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 - VL 3850 3.8 mil C1S SRDM Valéron®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	3.8	Continuous Gauging
Yield	Sq.In./Lb. Lbs./MMSI	8,230 121.5	Approximate
Basis Weight - 25"x 38"x 500	Lbs./Ream	57.7	Approximate
Tensile Strength At Break - MD/TD Average	Lbs./1" Width PSI	25 6,550	ASTM D-882
Elongation At Break - Minimum	%	100	ASTM D-412
Toyo Impact - Spherical Head	Kg./Cm.	110	ASTM D-781
Puncture-Propagation Tear Resistance	Grams	4,000	ASTM D-2582
Initiated Tear Propagation - Tongue Tear	Lbs.	4.2	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear	Lbs.	6.7	ASTM D-1004
Service Temperature Range	⁰ F.	-70 to +200	
Surface Treatment	Clay Coating		
Primary Print Surface	Rolls: PPS “Wound-In”	Sheets: PPS “Face-Up”	
FDA Status	None		

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® is a registered trademark of ITW. *Sold under our PrintMaster® product line. PrintMaster® is a registered trademark of Convert-all, Inc.