

## 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 5522 5.5 mil C2S Valéron®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	5.5	Continuous Gauging
Yield	Sq.In./Lb.	5,647	Approximate
Basis Weight - 25"x 38"x 500	Lbs./MMSI	177.1	Approximate
	Lbs./Ream	84.1	
Tensile Strength At Break - MD/TD Average	Lbs./1" Width	35	ASTM D-882
	PSI	6,842	
Elongation At Break - Minimum	%	100	ASTM D-882
Toyo Impact - Spherical Head	Kg./Cm.	135	ASTM D-781
Puncture-Propagation Tear Resistance	Grams	4,200	ASTM D-2582
Initiated Tear Propagation - Tongue Tear	Lbs.	5.8	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear	Lbs.	8.0	ASTM D-1004
Service Temperature Range	<sup>0</sup> F.	-70 to +200	
Surface Treatment	Clay Coating		
Primary Print Surface	Rolls: PPS “Wound-In”	Sheets: PPS “Face-Up”	
FDA Status	None		

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