

## TECHNICAL INFORMATION

### Valéron® Synthetic Paper - Uncoated

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.

Uncoated (UCT) Valéron® 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. 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 - VL 4000BLA 4.0 mil Black UCT Valéron®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	4.0	Continuous Gauging
Yield	Sq.In./Lb. Lbs./MMSI	7,580 131.9	Approximate
Basis Weight - 25" x 38" x 500	Lbs./Ream	62.7	Approximate
Tensile Strength At Break - MD/TD Average	Lbs./1" Width PSI	24 6,100	ASTM D-882
Elongation At Break - Minimum	%	100	ASTM D-882
Toyo Impact - Spherical Head	Kg./Cm.	100	ASTM D-781
Puncture-Propagation Tear Resistance	Grams	3,500	ASTM D-2582
Initiated Tear Propagation - Tongue Tear	Lbs.	5.5	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear	Lbs.	6.8	ASTM D-1004
Service Temperature Range	°F.	-70 to +200	
Surface Treatment	Dynes/Sq.Cm.	42 Minimum	
Primary Print Surface	Rolls: PPS “Wound-In”	Sheets: PPS “Face-Up”	
FDA Status	Title 21,CFR177.1520 Compliant For Direct Food Contact		

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