

TECHNICAL INFORMATION

Valéron® Synthetic Paper - Direct Thermal

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.

Direct thermal Valéron® Synthetic Paper, marketed under our PrintMaster® HSDT brand, is a proprietary lamination of direct thermal synthetic paper to Valéron®. This product combines the market proven print and imaging qualities of high performance synthetic face materials, manufactured by such leading suppliers as Appleton, Kanzaki and Nashua, to various grades of Valéron® Synthetic Paper. A special clay "traction" coating is provided on Valéron® to improve roll feeding and dispensing, especially with small POP printers such as those used by ski resorts and retail stores. This white matte coating is flexo, offset, screen and thermal transfer printable and accepts hand applied inks such as pens and permanent markers.

Refer to additional direct thermal (OEM) Technical Data Sheets as necessary.

PRODUCT NUMBER - VL 7072
7.0 mil PrintMaster® HSDT- High Strength Direct Thermal
Made With Valéron®

TYPICAL PROPERTIES	UNITS	VALUE	TEST METHOD
Nominal Gauge - Average	Mils	7.0	Continuous Gauging
Yield	Sq.In./Lb.	4,490	Approximate
Tensile Strength At Break - MD/TD Average	Lbs./1" Width	34.7/61.5	ASTM D-882
Elongation At Break - MD/TD Minimum	%	130/13.9	ASTM D-882
Puncture-Propagation Tear Resistance	Newtons	37	ASTM D-2582
Initiated Tear Propagation - Tongue Tear MD/TD	Lbs.	4.2/4.6	ASTM D-1938
Uninitiated Tear Resistance - Graves Tear MD/TD	Grams Force	922/868	ASTM D-1004
Service Temperature Range	° F.	-20 to +200	Approximate
Primary Print Surface (PPS) - Direct Thermal	PPS "Wound-In" Or "Wound-Out" Per Customer Order		
FDA Status	None		

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