



PRODUCT INFORMATION SHEET

TWO-SIDED DIRECT THERMAL LABELS

Technicote offers two-sided direct thermal printed pressure sensitive label stock utilizing NCR's 2ST™ technology. The direct thermal material is coated on both sides providing good environmental resistance and high bar code scan rates. A hotmelt rubber adhesive is used for high initial tack and excellent ultimate adhesion to corrugated and plastics.

Two-Sided Direct Thermal Labels deliver increased operational efficiencies as it gets rid of separate label and document printing processes, lowering your overall consumables expense and delivering a 100% shipping label and packing slip match.

This unique product offering utilizes a 2ST-specific printer, which has two thermal print heads as well as upgraded memory and controller/firmware. Two print heads increase printer speed and overall throughput by simultaneously imaging both sides of a label. This offers many benefits including enabling end-users to print shipping information on adhesive labels and print packing slips on the backs of these labels, thereby converting the formerly useless silicone coated liner into a useful packing document. Eliminating the need for a separate packing slip not only reduces cost, but also environmental impact. No scrap liner!

Two-Sided Direct Thermal Labels are stocked for quick delivery out of the Miamisburg, OH manufacturing location with our TP2ST adhesive and TC Direct-Thermal release liner (Item # 7317551). Additional 2ST constructions are available as a custom coat product and may be requested, along with samples, pricing and lead times, by contacting your local Technicote Sales Representative or by calling 800-358-4446 for more information.

PRODUCT CHARACTERISTICS

- Improved Label-Printing Efficiency
- Reduced Environmental Impact
- Excellent Light Stability
- Hotmelt Adhesive with high initial tack and excellent ultimate adhesion
- High Bar Code Scan Rates
- Cost Effective
- Printers contain two print heads for simultaneous two-sided printing
- 2ST printers currently available:
 - SATO GY412 Printer
 - Toshiba 2ST Label Printer

Product Availability
Product Description

Item #7317551	Web Width	Minimum	Lead time
Miamisburg, OH	52"	3,120 MSI (5,000')	2-3 days

Technicote provides solutions to label converters seeking the best total value in material solutions. Technicote has manufacturing and distribution facilities across North America and has grown steadily from its founding in 1980 to be a major supplier to the pressure sensitive roll label industry.

2ST TECHNOLOGY

FROM: Technicote, NCR Corporation, 3007 Salsville Blvd, South, GA 30089

TO: Two-Sided Thermals, 123 Efficiency Street, Miamisburg, OH 45342

Technicote Item # 6317551

Line	Item Number	Description	Shipped	Unit	Price	Total
1	856911	30MMx77 Thermal Roll	100	CT	\$3.00	\$3.00
2	9078-0705	3.375x1.62 Release Delivery Roll	100	CT	\$3.00	\$3.00
3	936810	1.75x4.00 Address Label	200	PK	\$1.00	\$200.00
4	123456	4"x6" 2ST Label	100	PK	\$1.00	\$100.00

FRONT: SHIPPING LABEL
BACK: PACKING SLIP

Converted samples are available. Just ask!



TECHNICAL DATA

PRODUCT DESCRIPTION - ITEM #7317551

Techni-Therm Direct WS
TP2ST Adhesive/TC Direct-Thermal Release Liner

A two-sided, top-coated direct thermal label with a general purpose hotmelt rubber adhesive and TC Direct-Thermal liner. 2ST™ technology utilizes dual thermal printers which allows for simultaneously printing on both the front and back sides of a label. Recommended for prime label applications typically found in the Warehouse Management and Shipping & Logistics markets.

PHYSICAL PROPERTIES - FACE

A top coated direct thermal face with initial activation temperature of 119°F and an effective activation temperature of 162°F. Techni-Therm Direct WS has excellent light stability to resist fading from UV light and superior curl control to insure layflat properties.

Caliper (mils):	3.2	Opacity (%):	85
Tensile MD, (lb/in):	20	Tear MD, (grams):	40
Tensile CD, (lb/in):	13	Tear CD, (grams):	50
Brightness (%)	89		

PHYSICAL PROPERTIES - ADHESIVE

A general purpose hotmelt rubber adhesive with high initial tack and excellent ultimate adhesion. This adhesive demonstrates good resistance to water, UV, solvent and plasticizer. This adhesive has excellent die cutting characteristics for high speed wide web processing. Excellent adhesion to corrugated and plastics.

Coatweight:	Standard	TYPICAL ADHESION VALUES	
Adhesive Type:	Perm. Hot Melt	Stainless Steel	180° Peel: 3.7 lb/in
Shear (minutes):	60		Loop Tack: 2.5 lb/in ²
Minimum App. Temp:	25°F	Corrugated	180° Peel: 4.4 lb/in
Service Temperature:	-65°F to 140°F	Painted Metal	180° Peel: 3.5 lb/in
		Glass	180° Peel: 2.6 lb/in
		Polyethylene	180° Peel: 4.7 lb/in

PHYSICAL PROPERTIES - RELEASE LINER

A Topcoated Direct-Thermal back side printable liner with L-3 silicone release with an initial activation temperature of 176° and effective activation at 190°.

Basis Weight:	48#/ream	Tensile CD (lb/in):	N/A
Caliper:	3.2 mil	Tear MD, (grams):	N/A
Tensile MD, (lb/in):	N/A	Tear CD, (grams):	N/A

WARRANTY: All data obtained through ASTM standards are typical and should not be used for specification purposes. Because of the variety of possible uses, the buyer should test the suitability of each intended use. The buyer assumes all risks in connections with such use. TECHNICOTE will not be liable for damages in excess of the purchase price of products or for incidental or consequential damages. TECHNICOTE warrants the products to be free from defects in material and workmanship. Should any failure to conform to this warranty appear within one year after the initial date of shipment (unless otherwise stated), TECHNICOTE shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with TECHNICOTE'S standards, correct such defects by suitable repair or replacement without charge at TECHNICOTE's plant or at the location of the products (at TECHNICOTE's election); provided, however, if TECHNICOTE determines that repair or replacement is not commercially practical, TECHNICOTE shall issue a credit in favor of BUYER in an amount not to exceed the purchase price of the products.

