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TO: Aaron Coakley
COMPANY: L.R. Nelson
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FROM: Michelle Kelly

DATE: January 4, 2001
PAGES: 3

SUBJECT: Product Data Sheets

● **Comments:**

Aaron,

Good Morning, I have attached the Product Data sheets for the two P/N's that you requested. Your P/N's 90006863 & 90006864.

Please call me if I can be of further assistance.

Best Regards,

Michelle Kelly

- Availability: Stock
- FOB: Mundelein
- Terms: Net 10 days
- Quote good for 30 days



Labels

Material Description TS516

DESCRIPTION:

TS516 is a polyester substrate that offers good resistance to mild chemicals and water. The adhesive bonds to a wide variety of surfaces. Applications include property identification and durable goods labeling.

CONSTRUCTION:

TOP COATING	Thermal transfer receiver coat compatible with hard resin ribbons		
BASE MATERIAL	Thickness	.002" nominal	
	Material	white polyester	
ADHESIVE	Thickness	.0008" nominal	
	Material	permanent, high-strength acrylic	
LINER	Thickness	.0032" nominal	
	Weight	55 lb.	
	Material	densified kraft	

RIBBON COMPATIBILITY:

	<u>Datamax</u>	<u>Zebra</u>	<u>Eltron</u>	<u>Intermec</u>
	<u>All except Ovation</u>	<u>All Models</u>	<u>TLP2242/3642</u>	<u>3240/3440</u>
1st Choice	TR611	TR611Z	TR611HZ	TR611Z
2nd Choice	TR602	TR602Z	NA	TR602Z
3rd Choice	TR601	TR601Z	NA	TR601Z
Datamax Ovation: 1st - TR611H.				

CHARACTERISTICS:

Service Temperature Range: -40 F to +300 F (-40 C to +149 C). +300 F for 24 hours with slight discoloration and shrinkage				
Minimum Application Temperature: +50 F (+10 C)				
Typical Minimum Narrow Bar Width: Step Ladder Orientation - .010, Picket Fence Orientation - .005 Using certain printer, ribbon, heat, and speed combinations a smaller narrow bar width may be achieved.				
Typical Automatic Applicator/Dispenser Use: NEVER TESTED Poor Fair Good Excellent Label size and orientation will affect performance. Specific designs must be individually tested for viability.				
UL and CSA recognized for both indoor and outdoor use when used with TR602 ribbon.				

To assure maximum performance, Sigma Systems materials have been designed and tested for compatibility between the label stock and thermal transfer ribbon. All Sigma Systems materials are sold as a packaged system containing label stock, transfer ribbon and a print head cleaning kit.

All technical information and recommendations are believed to be accurate but do not constitute a guarantee or warranty. Suitability for any given application is the responsibility of the user. Computype reserves the right to change specifications without notice.

*Ribbon*

TR602 Product Data Sheet

- Designed for durability in chemical printing and industrial applications.
- Offers outstanding print quality for bar codes.
- Smudge and scratch proof durability.
- Chemical resistance to: Ammonia-based household cleaners, isopropyl alcohol, motor oil, and antifreeze. Good resistance to gasoline.
- Recognized and approved by U.L.
- Recommended for polyesters and other synthetic label stocks.
- Applications:
 - Chemical drum labeling
 - Medical and pharmaceutical labeling
 - Outdoor applications
 - Industrial applications
 - Automotive applications

Technical Specifications

Ink Thickness:	2.7 Microns
Total Ribbon Thickness:	7.5 Microns
Type of Ink:	Resin
Ink Softening Point:	212° F (100° C)
Recommended Media:	Polyester Films, Vinyl, Polypropylene, Polyethylene

Shipping / Storage Conditions

To ensure optimal performance, please adhere to the following environmental conditions for shipping and storage.

- For optimal print results, thermal transfer printing should occur in the temperature range of 41° F (5° C) to 95° F (35° C) at 45% to 85% relative humidity.
- Recommended shipping conditions for up to one (1) month duration is 23° F (-5° C) to 113° F (45° C) at 20% to 85% relative humidity.
- To ensure the ribbon's performance, our suggested storage conditions for up to one (1) year duration is 23° F (-5° C) to 104° F (40° C) at 20% to 85% relative humidity.

Exposing Thermal Transfer Ribbons to direct sunlight or moisture will cause damage to the ribbons.