IDENTCO INTERNATIONAL®

Technical Data Sheet

TTRR-D

THERMAL TRANSFER HIGH PERFORMANCE RESIN RIBBON

GENERAL DESCRIPTION: TTRR-D is a high performance resin thermal transfer ribbon. It is backed with polyester liner and gives a consistently high printing quality.

USES: Ideal for printing on glossy coated film materials. Ideal for use where chemical, abrasion, and heat durability is required. Other applications include rating plates, component marking and industrial bar code applications requiring excellent durability. This ribbon is designed to withstand many bottom side circuit board processes when printed on a glossy polyimide material like TT401, TT404, and TT451.

FEATURES: This ribbon is designed to offer superior smudge and solvent resistance. This ribbon can be used in a circuit board application and can withstand temperatures up to 250°C based upon the material temperature requirements. This ribbon offers excellent ink lay down, giving the printed information an image. Caution on ultra fine or high-density printing, due to this heavier ink lay down. This formulation is also available in red, blue, and green. This ribbon does require a higher burn temperature when printing on matte coated films.

RECOGNITION(S): RoHS Directive 2002/95/EC Complaint

PHYSICAL PROPERTIES	**TEST METHODS**	**CONVENTIONAL UNITS**	**S.I. UNITS**
THICKNESS	Ink & Carrier	0.16-0.19 mils	4.1-4.9 microns
	Total	0.16-0.19 mils	4.1-4.9 microns

SERVICE TEMPERATURES Based upon material it is printed on

STANDARD BURN TEMPERATURES 21-29 on a Zebra Printer
Lower burn on glossy polyester, higher on glossy polyimide and medium to high on matte polyester like TT762

EXTERIOR DURABILITY 2 years on certain materials. See material tech data's

RIBBON PERFORMANCE:

Test should be conducted at room temperature after 24-hour dwell. Testing should consist of five cycles of 10-minute immersions in the specified chemical reagent followed by 30-minute recovery periods.

CHEMICAL REAGENT:	**MATERIALS**				
	TT401	TT700	TT701	TT730	TT740
Household Cleaners	No effect	No effect	No effect	No effect	No effect
Mild Acid	No effect	No effect	No effect	No effect	No effect
Oil	No effect	No effect	No effect	No effect	No effect
Water	No effect	No effect	No effect	No effect	No effect
Isopropyl Alcohol	No effect	No effect	No effect	No effect	No effect
Mineral Spirits	No effect	No effect	No effect	No effect	No effect
Toluene	No effect	No effect	No effect	Dissolved	No effect
Terpene Defluxer	No effect	N/A	N/A	N/A	N/A
Saponifier	No effect	N/A	N/A	N/A	N/A

STOARGE CONDITIONS Product should be stored at 70°F (21°C) and 40-50% relative humidity to ensure optimal performance.

SHELF LIFE: 2-4 years @ proper storage conditions.