



# Technical Data Sheet

## TTRR-A

### THERMAL TRANSFER RESIN/WAX RIBBON

**GENERAL DESCRIPTION:** TTRR-A is a resin/wax thermal transfer ribbon. It has high sensitivity for high speed printing with assurance of consistently high printing quality. Anti-static and anti-static backcoating

**USES:** Ideal for printing on matte materials where regular resin ribbons will not print. Also a grade up from a regular wax ribbon, where more scratch resistance is required on regular paper materials. Other applications include rating plates, nameplates, and industrial bar code applications requiring standard durability. This ribbon has good solvent and scratch resistance.

**FEATURES:** This ribbon is designed for printing on label materials which will be used indoors. There is good smudge, chemical and abrasion-resistance.

**RECOGNITION(S):** RoHS Directive 2002/95/EC Compliant

PHYSICAL PROPERTIES	TEST METHODS	CONVENTIONAL UNITS	S.I. UNITS
THICKNESS	Ribbon w/backing	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	16-23 on a Zebra Printer		

**WARRANTY**  
"Our products are sold with the understanding that the buyer will test them in actual use and determine for himself their adaptability to his intended uses. We warrant to the buyer that our products are free from defects in material and workmanship. This warranty is in lieu of any other warranty, expressed or implied"

**TESTING:**

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: LABEL STOCK: PRINTED WITH THE TTRR-A RIBBON:**

	<b>TT706</b>	<b>TT709</b>	<b>TT727</b>	<b>TT733</b>	<b>TT743</b>
Household Cleaners	No effect	No effect	No effect	Removed	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	Smears	Removed	No effect	Removed	Smears
Mineral Spirits	Removed	Removed	No effect	Removed	Removed
Toluene	Removed	Removed	No effect	Removed	Removed

Paper materials should be tested at the customer site – TT728, TT722, TT744 and TT726

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

**SHELF LIFE:** 4 years @ proper storage conditions.