



# Technical Data Sheet

## TTRR-V

### THERMAL TRANSFER RESIN RIBBON

**GENERAL DESCRIPTION:** TTRR-V is a thermal transfer resin ribbon. It has high sensitivity for high-speed printing with assurance of consistently high printing quality.

**USES:** Ideal for high performance applications involving chemical resistance, smear resistance, and elevated temperatures. This ribbon is an excellent choice to be used on various materials from paper, glossy/matte polyesters and glossy/matte polyimides (testing on glossy polyimides is recommended). Small printing on thermal transfer printed print clearly with this ribbon.

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

PHYSICAL PROPERTIES	TEST METHODS	CONVENTIONAL UNITS	S.I. UNITS
<b>THICKNESS</b>	Ribbon w/backing	Less than .354 mils	Less than 9 microns
	Total	Less than .354 mils	Less than 9 microns
<b>SERVICE TEMPERATURES</b>	Based upon material it is printed on		
<b>STANDARD BURN TEMPERATURES</b>	19-26 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-S RIBBON:**

Household Cleaners	No effect
Mild Acid	No effect
Oil	No effect
Water	No effect
Isopropyl Alcohol	No effect
Mineral Spirits	Removed
Toluene	Removed

It is recommended that the materials should be tested at the customer site in actual use to verify test results listed above

**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.