



# Technical Data Sheet

## TTRR-AK

### THERMAL TRANSFER RESIN/WAX RIBBON

**GENERAL DESCRIPTION:**

TTRR-AK 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 polyimides where regular resin ribbons will not print. Some applications include component marking, circuit board marking and industrial bar code applications requiring excellent chemical and solvent durability. This offers a high resistance to solvents and scratches.

**FEATURES:**

This ribbon is designed to offer superior smudge and chemical resistances on matte polyimides. This ribbon is designed to withstand the same temperatures of the polyimide materials. Specially designed to burn at lower temperatures on the thermal transfer printers.

**RECOGNITION(S): APPROVAL:**

RoHS Directive 2002/95/EC Complaint

**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-AK RIBBON:**

	<b>TT400</b>	<b>TT410</b>	<b>TK</b>
Household Cleaners	No effect	No effect	No effect
Mild Acid	No effect	No effect	No effect
Oil	No effect	No effect	No effect
Water	No effect	No effect	No effect
Isopropyl Alcohol	No effect	No effect	No effect
Mineral Spirits	Some ink fade	Some ink fade	Some ink fade
Toluene	Some ink fade	Some ink fade	Some ink fade

**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.