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PRODUCT: THERMAL TRANSFER RIBBON  
GRADE: 7810  
MACHINE: SMARTDATE 2/3/5  
COLOR: METALLIC WHITE

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### **Ribbon Properties:**

Film thickness: 4.5 µm +/- 0.3 µm (nominal) by Micrometer  
Total thickness: 9.5 µm (nominal) by Micrometer  
Carrier: Polyester  
Ink composition: Wax / resin Blend  
Ink melt point: 85°C (nominal) by Thermometric  
Back coating: static elimination coating to protect print head

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### **Technical Data:**

Designed for high speed/edge technology printers  
Good to excellent smudge and scratch resistance  
Capable of print speeds of up to 600mm/second - this may be increased in some applications or when using APS mode on SmartDate3  
Excellent print quality on a variety of packaging substrates including polyethylene terephthalate, polyethylene, polypropylene and thermal transfer coated paper.

### **Product Performance**

*Based on a scale of 1 - 4 (1=poor, 4=excellent)*  
Print Quality 3.5  
Scratch Resistance 4  
Smudge Resistance 3.5

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### **Storage:**

This ribbon should be stored in an environment between 5°C and 35°C with a relative humidity between 20% and 80%. If the manufacturing temperature is outside this range, the ribbon should be brought into this range an hour before use. As this is a

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### **Shelf Life:**

Thermal Transfer Ribbon: The "Use Before End" statement for TTR is 18 months from the date of manufacture. The 18 month period is calculated using 12 months for the customer plus a potential Markem-Imaje stocking period of 6 months.

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### **Important Notes:**

- The materials used in formulating this product may present health or safety hazards as defined by the OSHA Hazard Communication Standard. Always consult the Material Safety Data Sheet for specific hazard information before using this product.
  - No warranty for suitability of chemical products for specific applications is expressed or implied. The performance (transfer, adhesion and permanence) of any ink is directly related to the cleanliness of the surface being printed. The specifications for these chemical products are subject to change without notification or obligation.
  - Contact Sales Support or your local Markem-Imaje representative for assistance with colors, related inks for other application methods, or any other application questions.
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