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# Technical datasheet

Issue: 16.05.2018

## Product Description

### *Thermal Transfer Ribbon FTI-Y Black*

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#### **Type:**

Black Specialty-Resin thermal transfer ribbon

#### **Ink:**

Coating Weight: 1,8 g/m<sup>2</sup>  
Melting Point: 82° C (179° F)  
Type of Ink: Resin  
Sensitivity of Ink: Middle

#### **Substrate:**

Material: Polyester  
Melting Point: 250° C <  
Thickness: 4.5µm  
Density: 1,4 m<sup>2</sup>  
Tensile Strength: 19 kg/mm<sup>2</sup>

#### **Image Stability:**

Heat Resistance: 180° C (one colour)  
Scratch Resistance: excellent  
Smudge Resistance: excellent  
Solvent Resistance: excellent

#### **Performance Characteristics:**

- very good print quality on synthetics (preferred high gloss)
- outstanding smudge and scratch resistant
- resistant against solvents and chemicals
- medium printing energy
- Excellent edge definition
- Halogen free

#### **Storage conditions:**

Storage temperature: +10°C - +35°C at relative humidity of 30 – 80%

#### **Notes:**

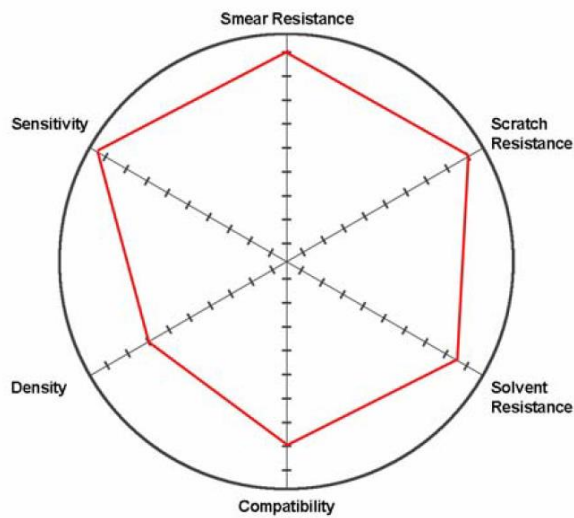
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### **Substance information**

<b>Hazardous Components</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Other Limits Recommended</b>	<b>%</b>
Polyethylene Terephthalate film (CAS# 25038-59-9)	-	-	-	65-75%
Coating Layer Substances	-	-	-	24%
Carbon Black (CAS# 1333-86-4)	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	-	4-6%
Acrylic Resin (CAS# 9011-14-7)	-	-	-	6-9%
Chrolynated-polypropylene resin (CAS# 68442-33-1)	-	-	-	3-4%
Polyester (CAS# 73144-93-1)	-	-	-	2-3%
Vinyl Chloride – Vinyl Acetate co-polymers (CAS# 9003-22-9)	-	-	-	2-3%
Styrene-acrylonitrile-co-polymers (CAS# 9003-54-7)	-	-	-	1-3%
Zincstearyl-phosphate resin (CAS# 4615-31-0, 16700-97-3)	-	-	-	~2%
Urea Resin (CAS# 9011-05-6)	-	-	-	~2%
Others	-	-	-	3-8%

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