



FTI-X Ribbon

Thermal Transfer Ribbon Specifications

TECHNICAL DATA SHEET

Revision Number. 1
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FTI-X ribbon is a Ultra-High Performance speciality resin ribbon for thermal transfer printers that produces the ultimate in print performance. The print image has superior chemical resistance, scratch resistance with excellent edge definition.

For use on a wide range of identification products. Ideal for use in environments where the marker may come into direct contact with solvent or chemical.

- * Excellent Scratch resistance
- * Excellent Smudge resistance
- * Excellent Solvent Resistance
- * Military Application
- * Aerospace Applications
- * Mass Transit Applications

Can be used for applications requiring resistance to high temperature Print performance.

See individual technical data sheets.

Industry



Industry



Marine



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical installations



Petrochemical



Telecom

STANDARD COLOR



MATERIAL SUBSTRATE

Polyester

INK TYPE

Premium Resin

MELTING POINT

82°C (179°F)

HEAT RESISTANCE

Minimum 150°C

SMUDGE & SCRATCH RESISTANCE

Superior

RESISTANCE TO SOLVENTS

Superior Resistant against solvents and chemicals

ROHS COMPLIANT

Yes

APPLICABLE PRINTERS

CAB - EOS - SQUIX - A4+M

HALOGEN FREE

Yes - <900ppm. Also BFR/CFR/ PVC free

THERMAL PRINTING ENERGY

Medium

DIMENSIONS

100mm x 300Meter

3.9 INCHES X (984 FEET)

WINDING DIRECTION

Inkside Out

STORAGE

Do not store in direct sunlight. From date of manufacture 1 year. Cool and dry in original packaging. Recommended temperature.

-5°C (23°F) and 40°C (104°F) is the most critical temperatures it can be stored under. Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

APPLICATIONS

Developed to be used in **Aerospace, Military, Defence, Mass Transit** and can be used also in the normal Industry, Wind Power, Commercial, Construction, Electrical and Telecom installations, wire & cabling for cable and wire marking products.

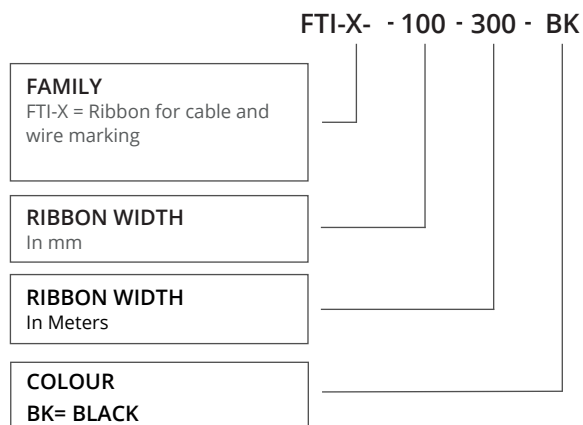
Ordering Info Ribbbon Inkside Out

PART NUMBER	TYPE	W X L RIBBON	MATERIAL	QTY-PCS	Colour	UOM	Winding Direction	Inner Core Diameter
FTI-X-110x300-BK	Ribbon	100mm x 300 Meter (3,9 inches x 984 Feet)	PremiumResin	1	Black	Roll	Inkside out	25.4mm (1inch)
FTI-X-060x300-BK	Ribbon	60mm x 300 Meter (2,36 inches x 984 Feet)	PremiumResin	1	Black	Roll	Inkside out	25.4mm (1inch)

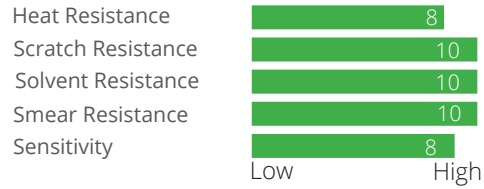
Ordering Info - Part Number Example

PART NUMBER EXAMPLES - FTI-X-100x300-BK

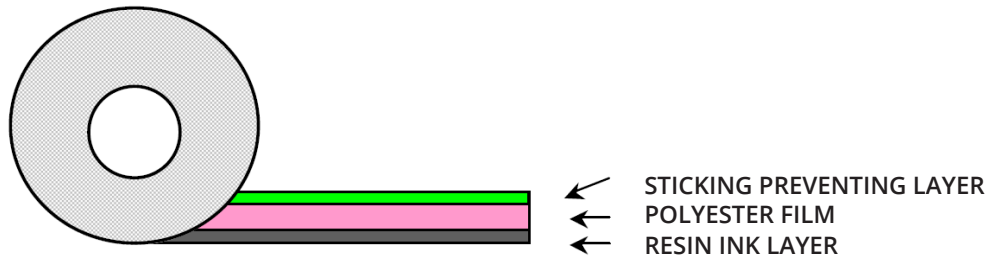
Product code



Properties - Performance



Drawing - Ribbon Inkside In



THICKNESS OF RIBBON	μm	8
THICKNESS OF POLYESTER FILM	μm	5
INK WEIGHT	Gram / m ²	2.3

General Values for Thermal transfer Ribbon

INK PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Coating Weight	1,8 g/m ²
Type of ink	Premium Resin
Sensitivity of Ink	Middle-Medium

INK THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature Melting Point	-82° C -(179°F)

SUBSTRATE PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Material	Polyester
Thickness	5,0 µm
Density	1,4 m ²
Tensile Strength	19kg/mm ²

SUBSTRATE THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature melting point	250 ° C<

IMAGE STABILITY

PROPERTIES	TEST METHOD	TYPICAL VALUE
Heat resistance	150 ° C for 10 days - 300°C for 5 min
Scratch resistance	Superior
Smugde resistance	Superior
Solvent resistance	Superior