

FTI-HLD White Resin Ribbon

Thermal Transfer Ribbon

Specifications

TECHNICAL DATA SHEET

Revision Number. 1
Last Edited 4. august 2023



FTI-HLD white ribbon is a high pigment durable white resin ribbon for thermal transfer printers that produces the high resolution print. The printed image has chemical resistance against denatured spirit, alcohol. Excellent scratch and smear resistance. Recommended label stocks such as very smooth label stock, synthetic films, like Polyolefin, TPU, PET, PE, PP, PVC.

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 smear resistance
- * Excellent chemical Resistance
- * Food Applications
- * Aerospace Applications
- * Mass Transit Applications

Industry



Industry



Marine



Wind power



Commercial



Aerospace



Construction



Railway



Military



Electrical installations



Chemical



Telecom



Food Industry

STANDARD COLOR



MATERIAL SUBSTRATE

Polyester

INK TYPE

Resin

INK MELTING POINT

105-110°C (221-230°F)

HEAT RESISTANCE OF PRINT

Minimum 180°C

SMUGDE & SCRATCH RESISTANCE

Excellent

CHEMICAL RESISTANCE

Resistant against chemicals

ROHS COMPLIANT

Yes

APPLICABLE PRINTERS

CAB - EOS - SQUIX

HALOGEN FREE

Yes

THERMAL PRINTING ENERGY

Medium

DIMENSIONS

110mm x 300Meter

4 INCHES X (984 FEET)

WINDING DIRECTION

Inkside Out "CO"

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 35°C (104°F).
Relative humidity between 30 - 80 % . Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

APPLICATIONS

Can be used in industries shown to the left. Can also be used also in the normal Industry, Wind Power, Commercial, Construction, Electrical and Telecom installations, wire & cabling for cable and wire marking products.

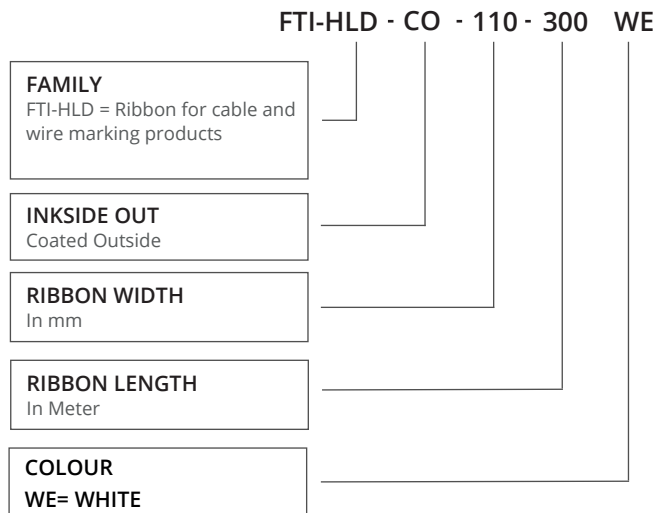
Ordering Info Ribbbon Inkside Out

PART NUMBER	TYPE	W X L RIBBON	MATERIAL	QTY-PCS	Colour	UOM	Winding Direction	Inner Core Diameter
FTI-HLD-CO-110x300-WE	Ribbon	110mm x 300 Meter (4 inches x 984 Feet)	Resin	1	White	Roll	Inside out - CO	25.4mm (1inch)

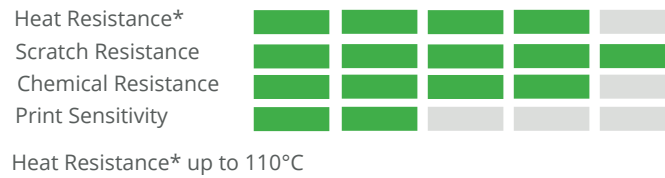
Ordering Info - Part Number Example

PART NUMBER EXAMPLES - FTI-HLD-CO-110x300-WE -

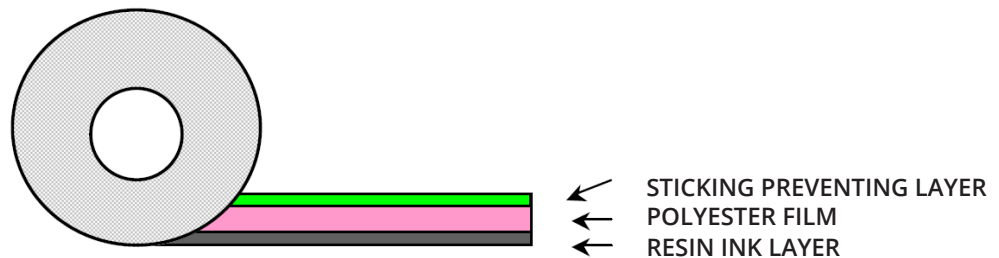
Product code



Properties - Performance



Drawing - Ribbon Inkside Out



THICKNESS OF RIBBON	μm	7,0 +1,0
THICKNESS OF POLYESTER FILM	μm	4,5 + 0,4
INK THICKNESS	μm	4,9
MELTING POINT	dgc	105-110
PRINT DENSITY	Heiland	0,24
MAXIMUM PRINTING SPEED	mm/sec	75-150

General Values for Thermal transfer Ribbon

INK PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Coating Weight	N-A g/m ²
Type of ink	Resin
Sensitivity of Ink	Low 0,24 (Heiland)

INK THERMAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Temperature Melting Point	105 - 110° C -(221-230 °F)

RIBBON PHYSICAL

PROPERTIES	TEST METHOD	TYPICAL VALUE
Material	Polyester
Thickness total	Micrometer	7,0 µm + 1,0 µm
Print Density	Densitometer Heiland	0,24
Base Film Thickness	Micrometer	4,5 µm

IMAGE STABILITY

PROPERTIES	TEST METHOD	TYPICAL VALUE
Heat resistance	110 °C
Scratch resistance	Excellent
Smear resistance	Excellent
Alcohol resistance	Excellent