Polyester labels ERT - Zero Halogen

Durable Machine labelling

TECHNICAL DATA SHEET

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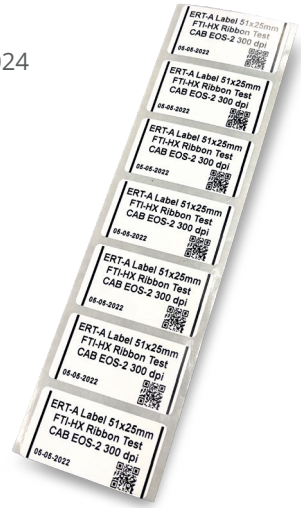

Machine labels are thermal transferlabels are used for marking and labeling machines and equipment in the industry. While type plates are attached directly by the manufacturer to the new machine in a clearly recognizable manner and contain all important information such as the name of the manufacturer, year of manufacture, CE mark and serial number of the device, machine plates, or machine stickers are often used for instructions on safe use. However, both have one thing in common: they are attached to the outside of the machine and the information should be permanently legible even under load and various environmental influences and clearly identify the corresponding device..

Excellent Thermo transfer printablility using FTI-HX and FTY-Y ribbons.

Identify : CE marking of equipment, Idnetification of all equipment, cabinets, panels, components, name plates, and many more applications

* High scratch and rub resistance
* Name plate quality and faster than engraving
* Professional look with sharp and crisp legends
* UL recognised label material
* Zero-halogen

Industry

Industry
Marine
Wind power
Commercial
Aerospace
Construction
Railway
Military
Electrical installations
Petrochemical
Telecom

STANDARD COLOR

MATERIAL
Top-coated thermal transfer printable polyester film with aprint receptive topcoat. Backed with a glassine release liner.

ADHESIVE
Extra permanent acrylic adhesive . Application temperature Min. 2°C (35,6°F)

SERVICE TEMPERATURE
-40°C to 150°C (-40°F to 302°F)
+150°C 24 hours on glass
-40°C 72 hours on glass

RECOMMENDED RIBBON
FTI-HX & FTI-Y black
FTI-HX ribbon is halogen free - best fluid performance

SMUGDE & SCRATCH RESISTANCE
Good smear resistance

RESISTANCE TO SOLVENTS
Excellent using FTI-HX ribbon

REACH - ROHS
Yes

RECOMMENDED PRINTERS
Thermal transfer printers

HALOGEN FREE
Yes - see statement page 4.

UL CERTIFICATION
This product polyester film meets the requirements as stated in UL file number MH 16635

STORAGE
From date of manufacture 2 years. Cool and dry in original packaging. Recommended temperature. 70-75°F - 21-25°C - 40-50% RH - Relative humidity defined by FINAT

Prolonged storage at higher temperatures and / or higher humidity will shorten shelf life.

APPLICATIONS
Specifically developed for the industries marked in green to the left. Can be used in other industries also.

LinkSolutions

ENVIRONMENTAL UV AND USE

PROPERTIES	TEST METHOD	TYPICAL VALUE
The life indoor and outdoor applications.	The durability is based on European exposure conditions. Actual performance life will depend on substrate prepartion, exposure conditions and maintenence of the marking	Polyester silver and white color is ideal for many medium-life indoor and outdoor applications. The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking.

SPECIAL APPROVALS POLYESTER FILM	TEST METHOD	TYPICAL VALUE
The polyester film meets the requirements as stated in UL	UL	UL File Number is MH 16635

Ordering Info - Part Number Example

PART NUMBER EXAMPLES - Polyester label 15x6 silver color

Product code

ERT-A - 015 - 006 - SR

LABEL FAMILY=ERT
A= STANDARD SIZE &
POLYESTER MATERIAL

WIDTH
In mm

HEIGHT
In mm

COLOUR
SR = SILVER
WE = WHITE

CODES
A = STANDARD LABEL SIZE
S= SPECIAL SIZE

General Values for thermal transfer PP Film. Silver

THERMAL TRANSFER METALLIC / SILVER PRINTABLE FILM

PROPERTIES	TEST METHOD	TYPICAL VALUE
Facestock thickness	D 3652	Aprox 50 micron ± 10%

FILM THERMAL PROPERTIES

PROPERTIES	TEST METHOD	TYPICAL VALUE
Service Temperature Range		-40° - 150°C (-40°F to 302°F)

ADHESIVE PHYSICAL - Balanced performance on a wide variety of substrates including low energy plastics- Good resistance to chemicals and solvents

PROPERTIES	TEST METHOD	TYPICAL VALUE
Probe tack	ASTM D 2979	673 gram/sq cm
Peel Adhesion 180°C	FTM 1 20 minutes on glass	N-A
Adhesive Type	Strong permanent adhesive. Acrylic UV cured	Extra permanent acrylic adhesive
Adhesive Weight	FTM 12	N-A

ADHESIVE TESTING - The adhesive needs a certain time to reach its final adhesion, we recommend waiting at least 24 hours or better 72 hours after dispensing the the label to the substrate before proceeding with any performance test.

LINER DATA

PROPERTIES	COLOUR	TYPICAL VALUE
Supercalendered Kraftliner paper	White	approx. 56 micron thickness
Basis Weight		N-A

APPENDIX 1 - PERFORMANCE DATA SILVER POLYESTER

Note: the following technical data should be considered representative or typical only and should not be used for specification purposes. polybutylenterephthalat

Peel Adhesion:
FTM1: 180°, 300 mm/min, dwell time: 72 hours

SURFACE	N/25MM		SURFACE	N/25MM
Glass	19		PA6	16,0
Stainless Steel	16		Polycarbonate (PC)	N-A
Automotive lacquered panels	18,0		Polyester (PET)	N-A
PA6 + GF30	N-A		Polypropylene (PP)	N-A
HDPE	N-A		PBT	16
LDPE	N-A		Powder Coated Panel	N-A

STATEMENT - HALOGEN

Halogens is a group of non-metallic elements. The most common one is chlorine, which exist in many chemicals and components.
Halogen Free has been defined by the IEC (International Electrotechnical Commission) standard IEC 61249-2-21: as meaning:
900 ppm maximum chlorine
900 ppm maximum bromine
1500ppm maximum total halogens
Link Solutions does not intentionally add halogens to our products. However, we cannot guarantee the presence of halogens below the IEC limit by our suppliers in the supply chain.
This would need to be assessed on a case-by-case basis.
Compounds containing the (Cl, F, Br, I) are quite commonly used, and fall outside of the definition of halogen-free as the elemental halogen is generally not present.
However, that does not exclude the presence of trace amounts by external sources.
Link Solutions does not routinely test for these substances as they are not expected to be present in our raw materials or production processes.

TYPICAL VALUES

The listed technical data are typical values and give indications about the performance of the material only. They are not intended for specification purpose.

PERFORMANCE OF THE PRODUCT

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use. Users of our products are solely responsible that the product is suitable for its intended application, and have determined such at their sole discretion. Users must comply with any applicable legislation and/or testing requirements for the finished article, and are responsible for bringing their products to market.
This publication does not constitute any warranty, express or implied, and is intended only for the recipient and cannot therefore be transferred to any third party. We cannot assume any liability for the use of our products in conjunction with other materials.

COMMENTS