

Product profile

TMX3202

ThermaMAX Thermal
Transfer Ribbon



- Automotive components
- Aerospace components
- Electronics labeling (UL recognized nameplate)
- Appliance labeling (UL recognized nameplate)
- Medical devices
- Medical specimens (vials, slides, etc.)
- Lawn and garden equipment
- Building products
- Oil and gas industries
- Drum labels
- Valuable asset tracking
- Industrial bins

Ultra-Durable ThermaMAX Thermal Transfer Ribbon

When paired with compatible labels, Intermec's ThermaMAX TMX3202 ribbon generates extremely durable images that readily endure outdoor exposure to rain, snow, and ultraviolet light for three years or more. Its highly abrasion-resistant printed images survive extremely challenging environments where labels are subject to heavy wear. The ThermaMAX TMX3202 ribbon is ideally suited for label materials such as:

- Duratran II Gloss Polyester Label
- Duratran II Gloss Kapton Label

Better Together

Intermec media solutions have added advantages when paired with Intermec printers:

- Co-engineered printers and media ensure consistent print quality and performance.
- Thermal transfer printability allows on-demand generation of durable labels, eliminating high cost and inventory obsolescence associated with preprinting.
- When Intermec media is used exclusively with Intermec printers, the Free Printhead Replacement Program offers significant cost savings.

Product Characteristics:

Ribbon Construction

Total Ribbon Thickness: 7.2 to 8.8 μm

Ribbon Film Thickness: 4.4 to 5.4 μm

Ribbon Film Type: Polyethylene terephthalate

Properties

Ink Color: Black

Ink Pigment: Carbon black

Image Density (4ips/4420): 1.4 OD min.

Flaking Resistance: No flaking

Film Break Strength (MD): 29 kg/mm² min.

Film Shrinkage: 2% max at 150° C/30 min

Performance Attributes

IPA Crock (2 ips/4420): B at 25 cycles/2.95# arm

Scratch (2 ips/4420): B at 200 cycles/2.95# arm

Ambient Operating Temperature and

RH: 5 to 35°C, 5 to 70% RH

Print Quality (4ips/PM4i): ANSI A on 10 mil ladder

Printers

Intermec labels and tags are engineered to produce optimum print quality when used in Intermec printers with the proper ribbon/material combination.

Print speed (4 ips max on 4420):

Format and material dependent

Storage Conditions

Temperature: 41°F to 95°F OR 5 to 35°C

Relative Humidity: 20 to 85% RH

Shelf Life: 12 months

Conformance and Certification

FDA Indirect Food Additive: No

CONEG Heavy Metals Legislation: Yes

UL Recognized: Yes

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