**Colour Thermal Transfer Ribbons**

**Wide Colour Range Across All Ink Types**

- Ideal for short run prime labels, brand colour matching, inventory control and item matching and sorting
- Assures quick visual recognition for coding, stocking, tracking and retrieving merchandise
- For use in standard barcode printers and multi-head printers like Astromed, cab and Microplex
- Excellent print quality with high durability on a broad range of paper and synthetic tags and labels
- Over 450 SKUs in 50 colours across all thermal transfer ribbon types

**Benefits**

**Colour Guide**

**DC100 - Wax**

- Red
- *Maroon
- *Green
- *Light Blue
- *Dark Blue
- Metallic Gold
- *Gray

**DC200 - Wax-Resin**

- *Black
- *Cyan
- Magenta
- Yellow
- Red
- *Wine
- Orange
- Lemon Yellow
- *Shamrock Green
- *Forest Green
- *Royal Blue
- Midnight Blue
- *Violet
- *Brown
- White
- Metallic Gold
- Metallic Silver

**DC300 - Resin**

- *Black
- *Cyan
- Magenta
- Yellow
- Ruby Red
- Tomato Red
- Safety Red
- Safety Orange
- Golden Yellow
- *Leaf Green
- *Bright Blue
- *Sapphire Blue
- *Midnight Blue
- *Violet
- White
- Metallic Gold
- Metallic Silver

**DC400 - Resin**

- Red
- *Green
- *Light Blue
- *Dark Blue
- Gray

**NETColour - Near Edge Wax-Resin**

- Red
- *Royal Blue
- White
- Metallic Silver

Swatches are approximate representations of actual colours. No guarantee can be made as to exact PMS colour match, the numbers are closest PMS match.

*Scannable colour: may pass for visible light scanners.
# Colour Thermal Transfer Ribbons

## Product Range and Specifications

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>DC100</th>
<th>DC200</th>
<th>DC300</th>
<th>DC400</th>
<th>NETColour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ink Type</td>
<td>Wax</td>
<td>Wax-Resin</td>
<td>Resin</td>
<td>Resin</td>
<td>Wax-Resin</td>
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<tr>
<td>Printhead</td>
<td>Flathead</td>
<td>Flathead</td>
<td>Flathead</td>
<td>Flathead</td>
<td>Near Edge</td>
</tr>
<tr>
<td>Description</td>
<td>Ideal for short term labelling</td>
<td>Highly versatile, widest stock latitude</td>
<td>Automotive-grade pigments, UV Stable</td>
<td>Low energy, high durability</td>
<td>Fast printing</td>
</tr>
<tr>
<td># Spot Colours</td>
<td>7</td>
<td>12</td>
<td>11</td>
<td>5</td>
<td>4</td>
</tr>
<tr>
<td>White</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Metallic Colours</td>
<td>Gold</td>
<td>Gold &amp; Silver</td>
<td>Gold &amp; Silver</td>
<td>-</td>
<td>Silver</td>
</tr>
<tr>
<td>Process Colours</td>
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<td>✓</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>iColor Match</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

## APPLICATIONS

Typical Applications:
- Logistics, Shelf Label
- Retail/Preprint, Date/Lot Codes, Private Label, Full Colour Prime Labels
- Drum Labelling, Electronics, Outdoor, Full Colour Prime Labels
- Durable labels, Textile
- Retail/Preprint, Date/Lot Codes, Private Label, Tire Labels

## LABEL COMPATIBILITY

| Paper | ✓ | ✓+ | ✓+ | - | - |
| BOPP/PE | - | ✓ | ✓ | ✓+ | ✓ |
| PET | - | ✓ | ✓+ | ✓+ | ✓ |
| Vinyl | - | - | ✓+ | - | - |

## DURABILITY

| Abrasion Resistance | ✓ | ✓ | ✓+ | ✓+ | ✓ |
| Chemical Resistance | - | ✓ | ✓+ | ✓+ | ✓ |
| Outdoor Durability | - | - | ✓+ | - | - |

## TECHNICAL SPECIFICATIONS*

| Film Thickness (µ) | 4.5 | 4.5 | 5.7 | 4.5 | 4.5 |
| Total Thickness (µ) | 8.0 | 7.4 | 7.0 | 8.0 | 7.5 |
| Melt Point (F) | 68°C/154°F | 80°C/176°F | 110°C/230°F | 110°C/230°F | 70°C/158°F |
| Print Speed | 8 IPS | 8 IPS | 4ips | 6 IPS | 12 IPS |
| Print Energy | LOW | LOW-MED | HIGH | MED-HIGH | MEDIUM |

## COMPLIANCE

| UL Recognized | - | - | ✓ | - | - |
| BS5609 | - | - | ✓ | - | - |

### Choosing the Right Colour Ribbon for Scanning Applications

While black bars on a white background are a very good combination, the barcode does not have to be black and white. The colour chosen must appear black under red light. It’s important that the colour used for the bars is a pure colour, and not one that is created using a four colour printing process. Here are some tips from the GS1 organization on colour scanning:

- Bars must always be darker than the spaces.
- Warm colours such as yellow, red, orange and white are not seen by the scanner and are good for background colours.
- Cold colours such as green, blue, violet, and black are a good choice, as they appear black under red scanning light.
- The light margins around the bar codes are vital. They must never be encroached.
- Metallic surfaces and inks reflect light away.

### Symbol Key

✓+ Highly Recommend
✓ Recommend
- Not Recommended