



DC-300 Specialty Color Resin Thermal Transfer Ribbons

Performance Highlights

- **Superb Print Quality** – Improve the image of item being identified, especially important when information printed is used for branding or in consumer goods. Logos, fine lines, and small fonts print exceptionally well.
- **25 Vibrant Colors Available** – Bring more attention to an item by offering colors for variable information that coordinate with pre-printed or corporate colors. Choose a color that contrasts with the background film making information easier to see.
- **Superior Durability and Resistance to Chemicals** – Increase customer satisfaction by maintaining long term image readability in harsh environments, even when subjected to scratching, smudging, and cleaning.
- **Designed for Outdoor Use** – Reduce cost, no additional lamination is needed to protect and maintain information when exposed to the weather. Colors are UV stable for 3 years.
- **Designed for Use on Vinyl Stocks** – may also work on some polyesters and polypropylenes
- **Works on All On-Demand Printers** – Use spot colors in traditional industrial-type bar code printers such as Zebra, Datamax, and Sato. Use process colors for 4 head printers such as Astro-Med and TEC CB416 with cool bar.

| Spot Colors | | | | |
|---|-----------------------------|---------------------------|---------------------------|---|
| Sapphire Blue 288C* | Tomato Red 1797C* | Leaf Green 347C* | Golden Yellow 116C* | White |
| Bright Blue 2935C* | Ruby Red 187C* | Forest Green 3308C* | Sunflower Yellow 137C* | Grey 422C* |
| Ocean Blue 300C* | Burgundy 209C* | Pine Green 3425C* | Brown 469C* | Metallic Silver 877C* (indoor only) |
| Blue 2728C* | Orange Warm RedC* | Green Pantone Green | | Metallic Gold 871C* (indoor only) |
| Reflex Blue* | | | | |
| Violet 2597C* | | | | |
| Process Colors | | | | |
| Cyan Process Cyan* | Magenta Process Magenta* | Yellow Process Yellow* | Black Process Black* | |
| * Closest PMS color match. Colors may be compared to the PANTONE®, INC. colors, but no guarantee is made as to exact color match. PANTONE, INC. has not approved, licensed or sponsored the IIMAK colors or this chart, nor has PANTONE, INC. performed any matching of IIMAK colors to PANTONE, INC.'s colors. The PANTONE MATCHING SYSTEM and PANTONE color designators are the exclusive property of PANTONE, INC. | | | | |

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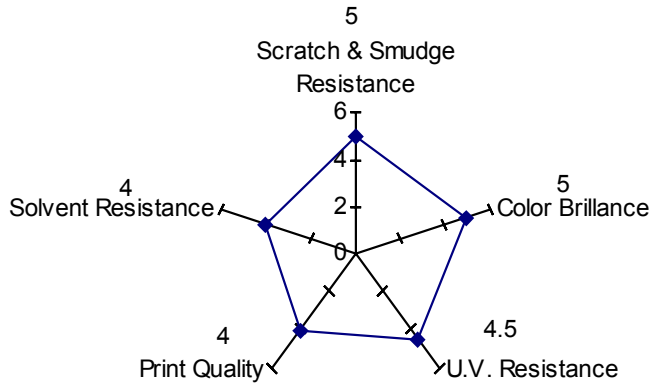
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DC-300 Performance Characteristics

This diagram is representative of DC-300 ribbons used in applications when printing on vinyl. Scale of 1 to 5, 5 being the best.



DC-300 Technical Specifications

| | |
|-----------------------------|---|
| Maximum Print Speed | 2 IPS |
| Film Thickness | 5.7 Microns |
| Total Ribbon Thickness..... | 7.0 Microns |
| Ink Melting Point..... | 80°C / 176°F |
| Chemical Resistance | isopropyl alcohol, gasoline, and ammonia-based household cleaners |
| UV Resistance..... | 3 - 5 years |

Storage Conditions

To ensure optimal performance, please adhere to the following environmental conditions for use, shipping and storage.

- For optimal print results, thermal transfer printing should occur in the temperature range of **5° C (41° F) to 35° C (95° F)** at 45% to 85% relative humidity.
- Recommended shipping conditions for up to one month duration are **-5° C (23° F) to 45° C (113° F)** at 20% to 85% relative humidity.
- To ensure the ribbon's performance, our suggested storage conditions for up to one year duration are **-5° C (23° F) to 40° C (104° F)** at 20% to 85% relative humidity.

Please Note: Exposing Thermal Transfer Ribbons to direct sunlight or moisture will cause damage to the ribbons.

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