DNP

# SK52524

THE POWER OF ONE™

**Thermal Transfer Ribbon Technical Data Sheet**

## SK52524 High Speed Durable Near Edge Resin

### Product Description

SK52524 boasts print speeds up to 26 IPS (660mm per second) making this ribbon the choice for high-speed flexible packaging applications. In addition to its high performance, SK52524 surpasses the competition in abrasion resistance and is a viable solution to applications such as parts packaging, medical devices, cosmetics, healthcare, and pharmaceutical. SK52524 is designed with DNP's standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all DNP ribbons, SK52524 is an industry leader in Edge Definition™ producing dark, dense images for improved scan rates.

### Recommended Applications

BEVERAGES | CONDIMENTS | COSMETICS | FLEXIBLE PACKAGING | MEATS AND CHEESES | PARTS PACKAGING | PRODUCE | SNACK FOODS

### Recommended Substrates

Polypropylene, polyethylene, polyolefin, nylon, polyester films

### Performance Characteristics

- Halogen-Free
- Extremely fast print speeds up to 26 IPS (660mm per second)
- Perfect for prime retail flexible packages
- Remarkable image density
- Superior abrasion resistance
- Unbeatable Edge Definition™ for dark, dense images and improved scan rates
- Anti-static for easy handling and extended printhead life
- DNP's specially formulated backcoating for printhead protection

***The information on this data sheet was obtained in DNP IMS America laboratories. Measured values may vary slightly when tested in a different environment. Information contained within this document is subject to change without notification.***

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### Ribbon Properties

| Description | Result | Test Method |
|---|---|---|
| Ink | Resin | |
| Color | Black | Visual |
| Total Thickness | 5.45 ± 0.9µ | Micrometer |
| Base Film Thickness | 4.0µ ± 0.5µ | Micrometer |
| Ink Thickness | 1.45 ± 0.4µ | Micrometer |
| Ink Melting Point | 81°C (178°F) | Differential Scanning Calorimeter |

### Durability of Printed Image

Label Stock: Polypropylene Film  Print Speed: 2 to 26 IPS

| Description | Result | Test Method |
|---|---|---|
| Print Density | > 1.40 | Densitometer |
| Smudge Resistance | A* | Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth |
| Scratch Resistance | A* | Colorfastness Tester - 50 Cycles @ 200 Grams with Stainless Steel Pointed Tip |

*American National Standard Institute (ANSI) Grade Levels A, B, C, D, and F, where A is excellent, B is above average, C is average, D is below average, and F is poor.

### Conversion Chart

| | |
|---|---|
| Millimeters (mm) to Inches = mm ÷ 25.4 | Inches to Millimeters (mm) = Inches ÷ 0.03937 |
| Meters (m) to Feet (ft) = m ÷ 0.3048 | Feet (ft) to Meters (m) = Feet ÷ 3.2808 |
| C°to F°= (1.8 X C°) + 32 = F° | F°to C° = (F° ÷ 1.8) - 17.77 |
| Thousand square inches (MSI) to $m^2$ = MSI X 0.645 | MSI = $m^2$ ÷ 0.645 |

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