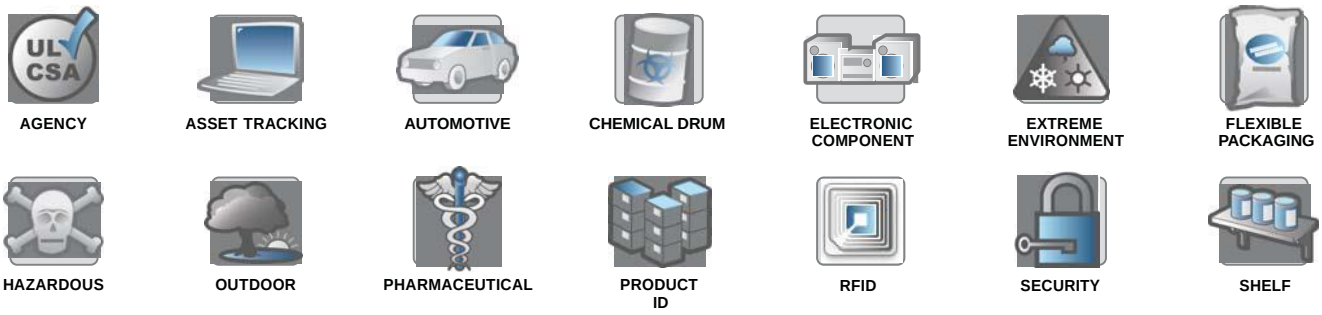
DNP Technical Data Sheet

SK5181 General Purpose Resin

Product Description

SK5181's extensive label adaptability and high sensitive ribbon for flat head and corner edge print heads. The ink provides excellent printing quality, high smudge and scratch resistance and suitable for variety of media at lower energy levels. Its print energy level is very close to that Wax-resin but has superior print quality.

Recommended Applications



Recommended Substrates

Polypropylene, polyethylene, polyolefin, vinyl, polyester

Performance Characteristics

- Excellent print quality at high speeds using less print energy
- Extreme durability and solvent resistance
- Extensive label adaptability expanding application options
- UL recognized/CSA approved
- Specially formulated backcoating for printhead protection
- Most economical resin with unmatched abrasion resistance
- Anti-static for easy handling and extended printhead life

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	8.0 ± 0.5µ	Micrometer
Base Film Thickness	4.5 ± 0.5µ	Micrometer
Ink Thickness	3.5 ± 0.5µ	Micrometer
Ink Melting Point	86°C (187°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Top-coated Polyester Print Speed: 4 IPS

Description	Result	Test Method
Print Density	> 1.80	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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