

SK3181 Premium Wax Resin

Product Description

SK3181 formulation prints deep black barcodes and other variable information that is easily read. It delivers excellent small character clarity and edge definition and is extremely resistant to scratching and smudging of the printed image. Plus, this product eliminates label retrack, which means no faint shadows transferred to the labelstock when feeding through the printer. Designed to print on a wide variety of receiving materials, including coated and uncoated paper labels and tags, varnished label stock, and flood-coat, this wax/resin formulation is an excellent choice for extreme applications.

Recommended Applications



Inventory & Logistics



Outdoor



Health & Beauty



Food & Beverage

Recommended Substrates

Paper	Coated Paper Coated Tag Gloss Uncoated Paper Uncoated Tag
Economy Synthetics	Polyethylene Polyolefin Polypropylene
Specialty Materials	Polystyrene Top-coated Vinyl Tyvek® Tyvek Brillion®

Performance Characteristics

- ▶ Prints on an extensive variety of substrates expanding application options
- ▶ Excellent abrasion and solvent resistant
- ▶ Halogen-free
- ▶ Anti-static for easy handling



[for more info!](#)

S & K ASIA SDN. BHD.

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S&K Global Customers
Malaysia, Singapore, Korea,
Indonesia, Philippines,
Vietnam, Thailand, India,
Middle East

SK3181 Premium Wax Resin

Ribbon Properties

Description	Result	Test Method
Ink	Wax Resin	
Color	Black	Visual
Total Thickness	$8.3 \pm 0.3\mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3\mu$	Micrometer

Durability of Printed Image

Label Stock: Coated Paper

Print Speed: 6 IPS

Description	Result	Test Method
Print Density	> 1.80	Densitometer
Smudge Resistance	A*	Colorfastness Tester - 50 Cycles @ 500 Grams with Cotton Cloth
Scratch Resistance	A*	Colorfastness Tester - 20 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 = $\text{mm} \div 25.4$	Inches to Millimeters (mm) = $\text{Inches} \div 0.03937$
Meters (m) to Feet (ft) = $\text{m} \div 0.3048$	Feet (ft) to Meters (m) = $\text{Feet} \div 3.2808$
$\text{C}^\circ \text{ to } \text{F}^\circ = (1.8 \times \text{C}^\circ) + 32 = \text{F}^\circ$	$\text{F}^\circ \text{ to } \text{C}^\circ = (\text{F}^\circ \div 1.8) - 17.77$
Thousand square inches (MSI) to $\text{m}^2 = \text{MSI} \times 0.645$	$\text{MSI} = \text{m}^2 \div 0.645$



The information on this data sheet was obtained in DNP 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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