DNP

SK42424

THE POWER OF ONE™

Thermal Transfer Ribbon Technical Data Sheet

SK42424 Classic Near Edge Resin

Product Description

SK42424 is high performance of near edge ribbon for the flexible packaging industry! This high performance ribbon provides excellent printing quality, high scratch and smudge resistance, and a good in abrasion resistance. SK42424 boasts print speed up to 26 IPS (660mm per second) making it extremely desirable for high-speed flexible packaging applications. SK42424 also outperforms the competition in adherence of the ink to a variety of substrates resulting in remarkable durability and amazing image density that creates crisp, black images. SK42424 is a viable solution to application for an assortment of flexible packaging applications including snack foods, beverages, produce, healthcare, parts packaging, and cosmetics.

Recommended Applications


BEVERAGES


CONDIMENTS


COSMETICS


FLEXIBLE PACKAGING


HEALTHCARE


MEATS AND CHEESES


MEDICAL DEVICES


PARTS PACKAGING


PHARMACEUTICAL


PRODUCE


SNACK FOODS

Recommended Substrates

Polypropylene, polyethylene, polyolefin, nylon, polyester films

Performance Characteristics

- Extremely fast print speeds up to 26 IPS (660mm per second)
- Perfect for prime retail flexible packages
- Remarkable image density
- 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
Polyester Film Thickness	4.0 microns	Micrometer
Ink Coating Weight	1.4 ± 0.40g/m^2	-
Heat Resist Coating weight	0.06 ± 0.04g/m^2	-
Ink Melting Point	80~90°C (176~194°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	Optical 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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