DNP Technical Data Sheet

M255 Premium Wax Resin

Product Description

M255 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 Mateials	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!

DNP Imagingcomm Asia Sdn. Bhd.
PLO 676 Jalan Nikel 4
Kawasan Perindustrian Pasir Gudang
81700 Pasir Gudang, Johor Malaysia
Office DID: +607.257.8440
Email: ttrsales@dnp.imgcomm.asia

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Ribbon Properties

Description	Result	Test Method
Ink	Wax Resin	
Color	Black	Visual
Total Thickness	8.3 ± 0.3µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	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 = 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

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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