Thermal Transfer Ribbons

LABELS DIRECT

R300 General Purpose Resin

PRODUCT DESCRIPTION

We have the most elite resin ribbon offering in the industry. R300's extensive label adaptability and high print speed capability makes it the most diverse resin of its kind. It outperforms the competition in abrasion and solvent resistance, uses less print energy and is designed with standard anti-static and backcoat properties to protect printheads and extend printhead life. And, like all of our ribbons, R300 is an industry leader in edge definition producing dark, dense images for improved scan rates.

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

- Unbeatable edge definition for dark, dense images and improved scan rates

- Specially formulated backcoating for printhead protection

- Most economical resin with unmatched abrasion resistance

- Anti-static for easy handling and extended printhead life

RECOMMENDED APPLICATIONS

AGENCY	ASSET TRACKING	AUTOMOTIVE
CHEMICAL DRUM	ELECTRICAL COMPONENT	EXTREME ENVIRONMENT
FLEXIBLE PACKAGING	HAZARDOUS	OUTDOOR
PHARMACEUTICAL	PRODUCT ID	RFID
SECURITY	SHELF	

R300 General Purpose Resin

RIBBON PROPERTIES

DESCRIPTION	RESULT	TEST METHOD
Ink	Resin	
Color	Black	Visual
Total Thickness	5.8 ± 0.8μ	Micrometer
Base Film Thickness	4.5 ± 0.4μ	Micrometer
Ink Thickness	1.3 ± 0.4μ	Micrometer
Ink Melting Point	86°C (187°F)	Differential Scanning Calorimeter

DURABILITY OF PRINTED IMAGE

Label Stock: Top-coated Polyester
Print Speed: 6 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

Meters (m) to Feet (ft) = m ÷ 0.3048

C° to F° = (1.8 X C°) + 32 = F°

Thousand square inches (MSI) to m² = MSI X 0.645

Inches to Millimeters (mm) = Inches ÷ 0.03937

Feet (ft) to Meters (m) = Feet ÷ 3.2808

F° to C° = (F° ÷ 1.8) - 17.77

MSI = m² ÷ 0.645

The information on this data sheet was obtained in our 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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