

## TR4700 Print on Packaging Premium Wax/Resin

### Product Description

TR4700 is a premium near edge wax/resin, specially designed for the increasing demands of the print on packaging industry. Offering higher print density and durability at 32 IPS print speed, makes TR4700 the perfect solution for flexible packaging applications. Developed for optimal performance in diverse applications such as Food and Beverage, Healthcare, Cosmetics and many others, TR4700's versatility results in less changeovers.

### Recommended Applications



Food & Beverage



Health & Beauty



Pharmaceutical



Retail

### Recommended Substrates

Economy Synthetics Polypropylene, Polyethylene, Polyolefin,  
Polyester

Other Materials Nylon, Polystyrene, HDPE, LDPE, Polyimide  
Coated paper, glossy paper

### Performance Characteristics

- ▶ Extremely fast print speeds up to 32 IPS (800 mm per second)
- ▶ Ultra high image density at standard heat settings
- ▶ Excellent rub resistance against oil and grease
- ▶ Crisp, dark & dense images provide optimal readability
- ▶ Anti-static for easy handling and extended printhead life
- ▶ DNP's specially formulated backcoating for printhead protection

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### Ribbon Properties

Description	Result	Test Method
Ink	Wax/Resin	
Color	Black	Visual
Total Thickness	6.6 ± 0.8µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	1.8 ± 0.5µ	Micrometer
Ink Melting Point	78°C (176°F)	Differential Scanning Calorimeter

### Durability of Printed Image

Label Stock: Lintec White PET WH50(A)

Print Speed: 10 IPS

Description	Result	Test Method
Print Density	> 1.90	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 <sup>2</sup> = MSI X 0.645	MSI = m <sup>2</sup> ÷ 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.