

TR3020 Transparent Wax

Product Description

Sometimes, label materials are so rough that only Wax ribbons can be printed on these surfaces: Wax/Resin and Resin ribbons can't print. It is therefore difficult to combine printability and resistance. TR3020 Transparent Wax is the solution to be printed:

- as a protective layer on the top of TTR printed images, to improve the resistance
- as a "smoothing" layer to be printed on blank labels, to improve the printability of the label and make it smooth enough to be later printed with durable ribbons.

Recommended Applications



Inventory & Logistics



Pharmaceutical



Retail

Recommended Substrates

Paper	Coated/uncoated paper & tag stocks Synthetic paper
Economy Synthetics	Polypropylene Polyethylene
Specialty Materials	Polyolefin Kimdura® Valeron® Polyart®

Performance Characteristics

Halogen-Free

Improves the resistance of printed images

Can also improve the smoothness and printability of label materials, and make them printable with Resin

Prints up to 12 IPS

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Ribbon Properties

Description	Result	Test Method
Ink	Wax	
Color	Transparent	Visual
Total Thickness	8.2 ± 0.9µ	Micrometer
Base Film Thickness	4.8 ± 0.3µ	Micrometer
Ink Thickness	3.4 ± 0.6µ	Micrometer
Ink Melting Point	68°C (155°F)	Differential Scanning Calorimeter

Durability of Printed Image

Label Stock: Raflagloss semi-gloss paper, printed with standard Wax, over-printed with TR3020

Print Speed: 4 IPS

Description	Result	Test Method
Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 500 Grams with Cotton Cloth
Heavy Duty Smudge Resistance	A*	Colorfastness Tester - 100 Cycles @ 800 Grams with Cotton Cloth

*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	m ² = MSI ÷ 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.