

TR3020 Transparent Wax

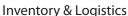
Product Description

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 "smooothing" 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







Pharmaceutical



Retail

Recommended Substrates

Paper Coated/uncoated paper & tag stocks

Synthetic paper

Economy Synthetics Polypropylene

Polyethylene

Polyolefin

Specialty Materials 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

DNP Technical Data Sheet

TR3020 Transparent Wax

Ribbon Properties

Description	Result	Test Method
Ink	Wax	
Color	Transparent	Visual
Total Thickness	$8.2 \pm 0.9 \mu$	Micrometer
Base Film Thickness	$4.8 \pm 0.3 \mu$	Micrometer
Ink Thickness	$3.4 \pm 0.6 \mu$	Micrometer
Ink Melting Point	68°C (155°F)	Differential Scanning Calorimeter
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Durability of Printed Image

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

Print Speed: 4 IPS

Description I	Result	Test Method	
		Colorfastness Tester - 100 Cycles @	
Smudge Resistance	A*	500 Grams with Cotton Cloth	
		Colorfastness Tester - 100 Cycles @	
Heavy Duty Smudge Resistance		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 $C^{\circ} = (F^{\circ} \div 1.8) - 17.77$
Thousand square inches (MSI) to m ² = MSI X 0.645	$MSI = m^2 \div 0.645$
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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.