

## Product Specifications

Product Name	Waterless Process T Yellow
General Name	Waterless-Plate Offset Printing Ink
Distributor Name Address	Tokyo Printing Ink Corporation, U.S.A. 18710 S. Wilmington Avenue, Suite 101, Rancho Dominguez, CA, U.S.A. Phone: 310-604-0495 Fax: 310-605-0961
Manufacturer Name Address	Tokyo Printing Ink Manufacturing Company Limited 2-7-15 Tabata-Shinmachi, Kita-Ku, Tokyo, Japan Phone: 03-5692-7314 Fax: 03-5692-7341

Packing Style	Net Weight	1-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3, Indicating Order Number	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	L* : 87.75 a* : -4.43 b* : +105.20  $\Delta E \leq 3.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	1.25±0.07		Densitometer (Screen DM-800)
Specific gravity	1.02±0.03	g/cc	Weight/Volume, at 25°C
Drying Time	10 ~ 15	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	55±10	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	75±5		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	12 ~ 16	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	7.0±0.4		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	500±50	poise	L-Type Viscometer (LaRay), at 25°C
Flow	33.0±1.0	mm	Spreadometer (Toyo-Seiki), Diameter, 25°C, at 1-min.

For Color, Density, Gloss, and Light Fastness, printed samples made by RI Tester are used.  
Printed samples are made with art paper, two-cut roll, 0.15cc ink charge.

## Product Specifications

Product Name	Waterless Process T Magenta
General Name	Waterless-Plate Offset Printing Ink
Distributor Name Address	Tokyo Printing Ink Corporation, U.S.A. 18710 S. Wilmington Avenue, Suite 101, Rancho Dominguez, CA, U.S.A. Phone: 310-604-0495 Fax: 310-605-0961
Manufacturer Name Address	Tokyo Printing Ink Manufacturing Company Limited 2-7-15 Tabata-Shinmachi, Kita-Ku, Tokyo, Japan Phone: 03-5692-7314 Fax: 03-5692-7341

Packing Style	Net Weight	1-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3, Indicating Order Number	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	L* : 42.97 a* : + 78.50 b* : + 11.21  $\Delta E \leq 2.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	1.95±0.08		Densitometer (Screen DM-800)
Specific gravity	1.03±0.03	g/cc	Weight/Volume, at 25°C
Drying Time	12 ~ 18	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	55±10	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	75±5		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	40 <	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	7.5±0.5		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	570±50	poise	L-Type Viscometer (LaRay), at 25°C

Flow	33.0±1.0	mm	Spreadometer (Toyo-Seiki), Diameter, 25°C, at 1-min.
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For Color, Density, Gloss, and Light Fastness, printed samples made by RI Tester are used.  
Printed samples are made with art paper, two-cut roll, 0.15cc ink charge.

4/25/2005

## Product Specifications

Product Name	Waterless Process T Cyan
General Name	Waterless-Plate Offset Printing Ink
Distributor Name Address	Tokyo Printing Ink Corporation, U.S.A. 18710 S. Wilmington Avenue, Suite 101, Rancho Dominguez, CA, U.S.A. Phone: 310-604-0495 Fax: 310-605-0961
Manufacturer Name Address	Tokyo Printing Ink Manufacturing Company Limited 2-7-15 Tabata-Shinmachi, Kita-Ku, Tokyo, Japan Phone: 03-5692-7314 Fax: 03-5692-7341

Packing Style	Net Weight	1-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3, Indicating Order Number	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	L* : 45.02 a* : - 30.84 b* : - 56.61  $\Delta E \leq 2.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.35±0.10		Densitometer (Screen DM-800)
Specific gravity	1.04±0.03	g/cc	Weight/Volume, at 25°C
Drying Time	12 ~ 18	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	50±10	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	65±4		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	120 <	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	7.5±0.5		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.

Viscosity	570±50	poise	L-Type Viscometer (LaRay), at 25°C
Flow	33.0±1.0	mm	Spreadometer (Toyo-Seiki), Diameter, 25°C, at 1-min.

For Color, Density, Gloss, and Light Fastness, printed samples made by RI Tester are used.  
Printed samples are made with art paper, two-cut roll, 0.15cc ink charge.

4/25/2005

## Product Specifications

Product Name	Waterless Process T Black
General Name	Waterless-Plate Offset Printing Ink
Distributor Name Address	Tokyo Printing Ink Corporation, U.S.A. 18710 S. Wilmington Avenue, Suite 101, Rancho Dominguez, CA, U.S.A. Phone: 310-604-0495 Fax: 310-605-0961
Manufacturer Name Address	Tokyo Printing Ink Manufacturing Company Limited 2-7-15 Tabata-Shinmachi, Kita-Ku, Tokyo, Japan Phone: 03-5692-7314 Fax: 03-5692-7314

Packing Style	Net Weight	1-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3, Indicating Order Number	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	L* : 5.23 a* : + 0.26 b* : - 0.98  Δ E ≤ 2.0		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.75±0.10		Densitometer (Screen DM-800)
Specific gravity	1.06±0.03	g/cc	Weight/Volume, at 25°C
Drying Time	12 ~ 18	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	60±10	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	85±5		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	120 <	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour

Tack	8.0±0.5		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	590±50	poise	L-Type Viscometer (LaRay), at 25°C
Flow	33.5±1.0	mm	Spreadometer (Toyo-Seiki), Diameter, 25°C, at 1-min.

For Color, Density, Gloss, and Light Fastness, printed samples made by RI Tester are used.  
Printed samples are made with art paper, two-cut roll, 0.15cc ink charge.