

Product Specifications

Product Name	OP Top Varnish
General Name	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	3.8-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3□ ,4□ ,5□ ,6, Indicating Order Number(○) and Manufacturing Number(□)	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	N/A		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	N/A		Densitometer (Screen DM-800)
Specific gravity	0.98±0.02	g/cc	Weight/Volume, at 25°C
Drying Time	2.0±1.0	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	80±15	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	83.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	N/A	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	6.8±0.4		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	200±40	poise	L-Type Viscometer (LaRay), at 25°C
Flow	42.5±1.5	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, 0.125cc ink charge.

Product Specifications

Product Name	Dull Varnish
General Name	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	3.8-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3□ ,4□ ,5□ ,6, Indicating Order Number(○) and Manufacturing Number(□)	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	N/A		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	N/A		Densitometer (Screen DM-800)
Specific gravity	1.02±0.02	g/cc	Weight/Volume, at 25°C
Drying Time	3.5±1.5	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	14.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	N/A	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	6.0±0.3		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	240±40	poise	L-Type Viscometer (LaRay), at 25°C

Flow	40.0±1.5	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, 0.125cc ink charge.

4/29/2005

Product Specifications

Product Name	L-TPC Varnish
General Name	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	3.8-kg
	Container	Metal Tin
Lot Number	○ ,1○ ,2○ ,3□ ,4□ ,5□ ,6, Indicating Order Number(○) and Manufacturing Number(□)	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	N/A		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	N/A		Densitometer (Screen DM-800)
Specific gravity	0.97±0.02	g/cc	Weight/Volume, at 25°C
Drying Time	3.5±1.5	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	100±15	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	78.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	N/A	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	4.2±0.2		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.

Viscosity	80±20	poise	L-Type Viscometer (LaRay), at 25°C
Flow	48.0±2.0	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, 0.125cc ink charge.

4/29/2005

Product Specifications

Product Name	Tomkote Varnish
General Name	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	5-lb, 40-lb
	Container	Metal Tin, Pail
Lot Number	○ ,1○ ,2○ ,3□ ,4□ ,5□ ,6, Indicating Order Number(○) and Manufacturing Number(□)	

Quality Standards			
Item	Standard Value	Dimension	Test Instrument and Method
Color	N/A		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	N/A		Densitometer (Screen DM-800)
Specific gravity	0.96±0.02	g/cc	Weight/Volume, at 25°C
Drying Time	2.0±1.5	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	75±15	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss			Gloss Meter (Nihon-Denshoku), at 60 Degree

	82.0±5.0		
Light Fastness	N/A	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	6.4±0.4		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	150±30	poise	L-Type Viscometer (LaRay), at 25°C
Flow	43.0±1.5	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, 0.125cc ink charge.