

Product Specifications

Product Name	Dense Black
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	1-kg, 2.27-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	L* : 3.57 a* : -0.44 b* : -1.75 $\Delta E \leq 1.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.51±0.10		Densitometer (Screen DM-800)
Specific gravity	1.08±0.04	g/cc	Weight/Volume, at 25°C
Drying Time	4.5±1.5	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	85±15	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	90.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	> 60	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	9.0±0.5		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	320±40	poise	L-Type Viscometer (LaRay), at 25°C
Flow	37.0±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, 0.125cc ink charge.

4/29/2005

Product Specifications

Product Name	Matt Black
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	2.27-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	L* : 22.40 a* : +0.24 b* : -0.52 $\Delta E \leq 1.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.09±0.10		Densitometer (Screen DM-800)
Specific gravity	1.11±0.04	g/cc	Weight/Volume, at 25°C
Drying Time	7.0±1.5	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification	35±10	%	Duke Tester, Maximum Emulsified Water, at 8-min.
Gloss	19.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	> 60	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	7.5±0.4		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.

Viscosity	350±40	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, 0.125cc ink charge.

4/29/2005

Product Specifications

Product Name	XL-R Dense Black
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	2.27-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	L* : 4.83 a* : +0.11 b* : -1.52 $\Delta E \leq 1.0$		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.59±0.10		Densitometer (Screen DM-800)
Specific gravity	1.06±0.04	g/cc	Weight/Volume, at 25°C
Drying Time	5±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	90.0±5.0		Gloss Meter (Nihon-Denshoku), at 60 Degree

Light Fastness	> 60	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	9.0±0.5		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	320±40	poise	L-Type Viscometer (LaRay), at 25°C
Flow	38.0±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, 0.125cc ink charge.

4/29/2004

Product Specifications

Product Name	KOF No.8 Black
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	2.27-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	L* : 5.28 a* : -0.08 b* : -0.90 Δ E ≤ 1.0		Spectrophotometer (X-Rite 938), D50, 2deg.
Density	2.68±0.10		Densitometer (Screen DM-800)
Specific gravity	1.09±0.04	g/cc	Weight/Volume, at 25°C
Drying Time	>24	hr	C-Type Drying Recorder, on Parchment Paper, at 25°C and 60% Humidity
Emulsification			Duke Tester,

	35±10	%	Maximum Emulsified Water, at 8-min.
Gloss	N/A		Gloss Meter (Nihon-Denshoku), at 60 Degree
Light Fastness	> 60	hr	Weatherometer (Suga-Shikenki), Withstanding Exposure hour
Tack	12.0±0.6		Inkometer (Swing Albert), 400rpm, 30°C, at 1-min.
Viscosity	550±60	poise	L-Type Viscometer (LaRay), at 25°C
Flow	35.0±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, 0.125cc ink charge.