HITACHI
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Special purpose inks

Name of ink	Color	Solvent base *1	Drying time at 20°C(s)	Ink characteristics	Primary applications
JP-K26	Black	MEK	1 - 5	Alkali soluble ink.	Steel
JP-K28	Black	MEK	1 - 5	Steam (retort) resistant to cans. Good performance on plastics.	Cans, PP-Sheet, PE-sheet, plastics
JP-K33	Black	MEK	1 - 5	Copying resistant.	Metals, plastics, PET laminated steel sheets
JP-K60	Black	Ethanol	3 - 10	Ethanol based ink with carbon black. Chrome-complex dye free.	Paper carton, corrugated box, painted container, metal, etc.
JP-K61	Black	MEK	1 - 5	Excellent adhesion to PP and PE.	PP film, etc.
JP-K62	Black	MEK	1 - 5	Excellent adhesion to glass. Hard to come off against condensation after printing.	Glass bottles, etc.
JP-F63	Radiate Blue by UV light	MEK	20 - 40	UV readable:Fluorescent ink. It illuminate by Ultra-violet rays after printing.	Paper, plastics, metals, etc. Special marking for production control
JP-T64	Brown to Pale blue	MEK	1 - 5	Heat resistant ink. Resistance temperature is 1300 degree.	Ceramic, metals, resistors, etc.
JP-K65	Black	MEK	—	UV curable. Highly resistant to organic solvents.	Printed circuit boards, electric parts, etc.
JP-R65	Red	MEK	—	UV curable. Highly resistant to organic solvents.	Printed circuit boards, electric parts, etc.
JP-K70	Black	MEK	1 - 5	Alkali soluble ink. Sweating resitance on glass bottle.	Glass bottles, etc.
JP-T71	Red-purple to blue	MEK	15 - 30	Thermochromic ink in retort Process.	Cans, plastic bags, alminnum bags, plastic cups, etc.
JP-W73	White	MEK	1 - 5	White pigment ink.	Rubber hoses, plastic pipes, metal, glass, electric/electronic parts, etc.

JP-T75	Black to blue	2-Petanon Ethanol	1 - 5	Thermochromic ink in retort process. Heat resistant	Cans, plastic bags, alminnum bags, plastic cups, etc.
JP-R76	Pink	MEK	1 - 3	Unique property of appearing opaque on a variety of black or dark coloored substrates.	Glass, metals and plastics
JP-E78	Pink	Ethanol	1 - 5	Egg shell ink	Egg industry
JP-K81	Black	Acetone	1 - 5	No MEK and Methanol contains, contains low % of Volatile Organic Compound (VOC)	Untreated polyolefins such as polyethylene and polypropylene
JP-B82	blue	MEK	2 - 3	Alkali-Washable ink	printing on returnable bottles during the Cold Fill process
JP-K83	Black	MEK	*2	Heat curable ink Heat curing condition: 300-350 °F	Certain chemical resistance on certain substrates
JP-K84	Black	MEK	1 - 5	Steam (retort) resistant to cans. Copying resistant.	Plastics, etc Cans, etc
JP-K86	Black	Acetone	0.5 - 0.6	First drying ink	First drying lower than 1 second glass, plastics, metals, and coated paper
JP-K87	Black	MEK	1 - 5	Alcohol resistance ink	Packaging need to resist to ethanol (cosmetic, food, beverage, pharmacy)
JP-K88	Black	MEK	1 - 5	Excellent Adhesion to the PE (polyethylene) container.	PE container: Food, beverage, cosmetics, and medicines
JP-W89	White	MEK	1 - 5	White pigment ink.	Black and dark surface: Rubber hoses, plastic pipes, metal, electric/electronic parts, etc.
JP-K90	Black	MEK	1 - 5	Black pigment ink	electric parts, food, electric wire, cars, etc.
JP-Y91	Yellow	MEK	1 - 5	Organic yellow pigment ink.	Black and dark surface: Rubber hoses, PVC pipes, metal, electric/ electronic parts, etc.
JP-F92	Radiate Blue by UV light	MEK	1 - 3	UV readable:Fluorescent ink. It illuminate by Ultra-violet rays after printing. Fast dry. Excellent retort resistance and high visibility under UV light.	Paper, plastics, metals, etc. Special marking for production control
JP-Y94	Yellow	MEK	1 - 5	Organic yellow pigment ink. Visibility improved.	Black and dark surface: Rubber hoses, PVC pipes, metal, electric/ electronic parts, etc.
JP-F97	Radiate Red by UV light	MEK	1 - 5	UV readable: Fluorescent ink. It illuminate by Ultra-violet rays after printing.	Paper, cartons, and books, etc. (Invisible marking for inner control)

JP-K101	Black	MEK	2 - 3	Alkali-Washable ink	Superior adhesion to cold-filled(+36°F or +2°C) glass bottles with a very thin layer of condensation.

*1 MEK : Methyl ethyl ketone

*2 Requires heat curing at 300-350°F /149-177°C between 30-60 minutes to meet the solvent resistance required by the specified Military Standard.

*3 Available inks are different, depending on nozzle size and country regulations. For the details, please consult local office.