

Water-based Flexo Inks

Applications

For film:

Food packaging (lamination pouches, non-laminated packaging materials, labels for beverage bottles), daily goods and household goods or their packaging materials, etc.

Plastic envelopes, sanitary products, industrial materials or their packaging materials, heavy duty sacks, etc.

For paper:

General wrapping paper, shopping bags, paper containers (container/liquid container), square bottom bags, rayon-based paper packaging materials, corrugated cardboard, etc.

Characteristics

- A water-based flexo ink developed to reduce residual solvent in packaging materials and to improve the printing work environment.
- We offer an abundant product lineup of water-based inks under the concept of "creating high-quality printed materials."
- Not classified as hazardous materials designated under the Fire Service Act of Japan at the time of shipment and printing. ^{*1,*2}
- Our "FCS(Bio)" contains 10 wt% or more of biomass-derived materials relative to the total solid content in coating film.

*1:Our inks may be classified as hazardous materials if diluted with alcohol during printing.

*2:Some colors, such as gold/silver, are classified as hazardous materials.

Representative Products

■ Inks

Application		Product name	Characteristic	Applicable substrate
For film	Surface printing (For non-lamination)	FCG	High-gloss ink, Excellent adhesion, abrasion resistance, water resistance, etc.	Treated PP/PE/PS, non-woven fabric, aluminum foil
		FCG K-206	Highly suitable for sanitary products application.	Treated PE, moisture permeable film
	Reverse printing (For lamination, non-lamination)	FCF	Urethane acrylic ink having excellent lamination strength to treated OPP/PET/NY, and boiling suitability.* ³	Treated OPP/PET/NY
For paper	Paper container	FCG	High-gloss ink having excellent printability, and excellent abrasion/water/heat resistance.	Wood free paper, carton, coated cardboard
	Wrapping paper	FCS (NS) FCS (Bio)	Excellent printability, abrasion resistance, water resistance, heat resistance, and corrugating machine suitability. Also applicable to corrugated paper.	Wood free paper, carton, liner paper, thin paper

*3:It is necessary to use specific colors with excellent resistance to hot water bleeding, and to use a combination of hardener and exclusive white ink.

■ Functional over print varnish

Application	Product name	Characteristic	Applicable substrate
For film/paper	Over print varnish	An over print varnish excellent in heat / abrasion resistance, and applicable to high gloss / transparent film and paper. Available in both high-slip and low-slip types.	Treated PP/PE/PS, non-woven fabric, aluminum foil, wood free paper, carton, coated cardboard, liner paper
	FCF Matt	A coating agent capable of imparting a matte finish and slip resistance.	Treated OPP, PE, PET, NY, various types of base paper
	FCG Antibacterial Varnish	An overcoat varnish capable of imparting antibacterial activity.	Treated PE, PP, PS, various paper base materials
For paper	Water Repellent Coating	A functional coating agent that imparts water repellency / water resistance to the coated surface.	Coated paper, liner paper, pure white paper