

# Water-based Flexo Inks

## Application

### For films:

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 papers:

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

## Characteristics

- A water-based flexo ink developed considering reduction of residual solvent in packaging materials and improvement of printing work environment.
- An abundant product lineup of water based-inks under the concept of "creating high quality printed matter".
- Not classified as hazardous materials designated under the Fire Service Act at the time of shipment and printing <sup>\*1,\*2</sup>
- Our "FCS(Bio)" contains 10 wt% or more of biomass-derived materials relative to the total solid content in coating film.

<sup>\*1</sup>:In case that dilution with alcohol is done at the printing work, our inks might be designated as hazardous materials.

<sup>\*2</sup>:Some colors, such as gold/silver, are designated as hazardous materials.

■ Biomass mark by Japan  
Organics Recycling  
Association



FCS(Bio)series

## Representative Products

### ■ Inks

Application		Product name	Characteristics	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 <sup>*3</sup>	Treated OPP/PET/NY
For paper	Paper container	FCG (For film and paper)	High-gloss ink having excellent printability, and excellent abrasion /water/heat-resistance.	Wood free paper, 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, paper carton, liner paper, thin paper

<sup>\*3</sup>:It is necessary to select the colors having excellent bleed resistance against hot water, and use hardener and exclusive white ink.

### ■ Functional over print varnish

Application	Product name	Characteristics	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, paper carton, coated cardboard, liner paper
For paper	Water Repellent Coating	A functional coating agent imparting water repellent / water-resistance to coating surface, and containing the materials compliant Notification No.370 set by Japanese Ministry of Health, Labor and Welfare (MHLW).	Coated paper, pure white paper