

# THINK

## Solvent-Based Flexible Packaging Inks



## A Perfect Package Deal

Flexible packaging has been perfected for many high-speed commercial applications, and that has created a demand for the perfect ink. For general purpose or retort packaging, Toyo Ink offers solvent-based gravure and flexo inks that deliver unmatched color and printability on a broad variety of substrates.

### Product Overview

**LioValue Solvent-Based Gravure Inks** are formulated for printing on transparent barrier films. Strong color, low solvent retention. Retortable up to 275°F.

**IroFlex Solvent-Based Flexo Inks** are suitable for long print runs on a wide range of substrates. Offers high-speed printing capabilities and low solvent retention.

**TOYO INK**  
*Value You Can See*

[www.toyoink.com](http://www.toyoink.com)



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**Solvent-Based  
Flexible Packaging Inks**

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## Features and Benefits

### LioValue Line

#### Features

- General purpose flexible packaging
- Suitable for boil and retort packaging
- Retortable up to 275° F
- Excellent lamination qualities
- Perfect for transparent barrier films

#### Benefits

- High color strength
- Low solvent retention
- Prints on wide range of plastic films
- Reliable, high performance results

### IroFlex Line

#### Features

- Prints on a wide range of substrates including OPP, PET, nylon and PVDC-coated film
- High-speed printability
- Good lamination properties
- Superior adhesion

#### Benefits

- Strong color reproduction
- Low solvent retention
- Reliable, high performance results

**For product information, contact:  
Toyo Color America, 1-201-287-4000.**

**Printed with HyPlus EC Process Series**

## Applications

### LioValue Line

Application	Lamination		Substrates			
			OPP	PET	Nylon	PVDC Coated Film
Non-Boil Snack Foods	Extrusion Lamination	Polyethyleneimine Type AC	A	A	A	A
		Polybutadiene Type AC	A	A	A	A
		Isocyanate Type AC	A	A	A	A
	Adhesive Lamination	Solvent-Free Adhesive	A	A	A	A
		Solvent-Based Adhesive	A	A	A	A
Boil	Extrusion Lamination	Isocyanate Type AC	-	B	B	-
	Adhesive Lamination	Solvent-Free Adhesive	-	*A	*A	-
		Solvent-Based Adhesive	-	*A	*A	-
Retort High Retort	Adhesive Lamination	Solvent-Based Adhesive	-	*A	*A	-

### IroFlex Line

Application	Lamination		Substrates			
			OPP	PET	Nylon	PVDC Coated Film
Non-Boil Snack Foods	Extrusion Lamination	Polyethyleneimine Type AC	A	A	A	A
		Polybutadiene Type AC	A	A	A	A
		Isocyanate Type AC	A	A	A	A
	Adhesive Lamination	Solvent-Free Adhesive	A	A	A	A
		Solvent-Based Adhesive	A	A	A	A

A: Applicable

\*A: Boil and retort grade color inks are prepared

B: Applicable (3% addition of LioValue Hardener is needed)

-: Not Applicable

Boil: Up to boil oily foods at 185°F (85°C) – 30 min., aqueous foods at 212°F (100°C) – 30 min.

Retort: Up to general retort at 248°F (120°C) – 30 min.

High Retort: Up to high retort at 275°F (135°C) – 30 min.