

# IFC-5102



Waterborne styrene-acrylic copolymer for printing ink

## Technical Data Sheet

Name: IFC-5102

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### Product Description

IFC-5102 is a styrene-acrylate copolymer emulsion, which is specially designed for waterborne varnishes and printing inks. Varnishes formulated with IFC-5102 offer fast drying, high gloss, excellent water resistance and anti-adhesion properties. It has good compatibility with popular acrylic polymers on the market. In addition, it provides excellent adhesion to film substrates in letterpress and gravure inks.

Typical applications: Suitable for formulating waterborne varnishes and letterpress inks.

### Properties

1. High gloss: The varnish made from this product has good gloss and leveling properties.
2. Wide resin compatibility: When this product can be mixed with other hard resins, it can improve the anti-adhesion and anti-friction properties of varnishes.
3. Outstanding water resistance: Varnishes made with this product protect the substrate from water penetration. When the wet surface dries, its gloss will not be affected.
4. If a small amount of abrasion-resistant agent and slippery agent are added to this product, the varnish prepared has good abrasion-resistant and slippery properties.
5. Low foaming: This product is not easy to foam. Therefore, it is not easy to be affected by the change of production process or application method.
6. excellent adhesion: very good adhesion to film substrates.

### Characteristic data\*

Property	Value	Unit
Tg	-24	°C
Appearance	Light yellow translucent	
PH (25°C)	8.0-9.0	
Viscosity	500-1500	mPa.s, (#3/60rpm/25°C)
Solid content	44.0±1.0	%
Specific gravity	1.05 ± 0.02	
Stability	Good	

\*These properties are typical but do not constitute specifications.

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## Storage

The product should be stored in dry condition between 10~35°C with the integrity of the packaging, and prevented from direct sunlight. The validity of this product is for 6 months, performance assessment is recommended before use after shelf life. The product should be protected from freezing during storage. It is suggested to filter before application and use up once the package is open.

## Disclaimer

Foshan Shunde Infinechem Co., Ltd. recommends that customers should check with Materials Safety Data Sheet (MSDS) for details about safety instructions. We also suggest that you contact the suppliers of other materials used in our recommended formulations and consult appropriate health and safety regulations prior to use. The information contained herein is believed to be reliable. However, nothing in this technical sheet should be considered as a representation of warranty, express or implicit, regarding the product characteristics, application, quality, safety, merchantability or fitness for a particular purpose. Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.