

# IFC-5101



Waterborne styrene-acrylic copolymer for printing ink

## Technical Data Sheet

Name: IFC-5101

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Version:1.3

### Product Description

IFC-5101 is a non-film-forming styrene-acrylic emulsion, which is specially designed for water-based printing ink. In flexographic printing, the ink formulated with IFC-5101 has the properties of good color rendering, high gloss and fast drying speed. In addition, IFC-5101 has good covering performance for kraft paper and good compatibility with popular acrylic polymers in the market.

Typical application: suitable for formulating water-based printing ink.

### Properties

1. High gloss: The ink made from this product has good gloss and leveling properties.
2. Wide resin compatibility: When this product can be mixed with other acrylic emulsion resins, it has excellent compatibility.
3. Excellent color rendering performance: this product has a certain covering performance, and the ink prepared from it has a certain covering performance and good color rendering performance
4. 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.
5. Fast drying speed

### Characteristic data\*

Property	Value	Unit
Tg	98	°C
Appearance	Milky white liquid	
PH (25°C)	8.0-9.0	
Viscosity	1500-3000	mPa.s, (#3/60rpm/25°C)
Solid content	49.0±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.