

# IFC-5201



Waterborne styrene-acrylic copolymer for gravure printing ink

## Technical Data Sheet

Name: IFC-5201

Revision Date: 2023-08-04

Version:1.3

### Product Description

IFC-5201 is an acrylate copolymer emulsion specially formulated for waterborne gravure inks with good abrasive properties, alcohol dilution, and compatibility. Inks formulated with IFC-5201 have good color development, printability, and compatibility with popular acrylic polymers on the market.

Developed based on gravure ink technology, IFC-5201 has good abrasiveness, good miscibility, and can be diluted with any proportion of alcohol, which makes it suitable for different bases of gravure ink printing applications.

Typical applications: Suitable for formulating waterborne gravure printing inks.

### Properties

1. Wide Resin Compatibility: This product can be mixed with other acrylic resins with good stability.
2. If a small amount of anti-wear agent and slip agent are added to this product, the varnish prepared by it has good wear resistance and slip properties.
3. Abrasiveness: This product has a good grinding effect on different kinds of pigments, and the stability of the color paste is excellent.
4. Resolubility: This product is used for gravure ink printing and has good resolubility.
5. Alcohol dilution: This product is miscible with alcohol in any proportion and is suitable for high-gloss printing.

### Characteristic data \*

Property	Value	Unit
Tg	40	°C
Appearance	Light yellow transparent	
PH (25°C)	8.0-9.0	
Viscosity	0-500	mPa.s, (#3/60rpm/25°C)
Solid content	41.0±1.0	%
Specific gravity	1.05 ± 0.02	
Stability	Excellent	

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

# IFC-5201



## 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.