

# Joncryl<sup>®</sup> FLX 5000-A

<b>Product Description</b>	Joncryl FLX 5000-A is a self-crosslinking, Rheology Controlled (RC) acrylic emulsion for printing ink applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Excellent resistance to dry and wet rub, dry and wet crinkle, and ice water crinkle</li><li>- Excellent resolubility and printability</li><li>- Excellent heat seal resistance</li></ul>
<b>Chemical Composition</b>	RC acrylic emulsion

## Properties

<b>Typical Properties</b>	Appearance		translucent emulsion
	Non-volatile	%	~ 43.0
	pH		~ 9.0
	Viscosity at 25°C (Brookfield #3 LVF spindle, 30 rpm)	cps	~1,000
	Molecular weight (Mw)		> 200,000
	Acid number (NV)		90
	Density at 25°C	g/cm <sup>3</sup>	1.05
	MFFT	°C	< 5
	Freeze-thaw stable		No
	Total VOC	% wt	< 0.5

\* These typical values should not be interpreted as specifications.

## Application

Joncryl FLX 5000-A is a self-crosslinking RC acrylic emulsion that has excellent resistance and resolubility for use in inks for heavy duty bags. Inks based on Joncryl FLX 5000-A are a cost-effective alternative to solvent-based inks.

Joncryl FLX 5000-A is recommended for applications such as:

- Printing inks for flexographic or gravure applications

Key Features and Benefits of Joncryl FLX 5000-A:

- Self-crosslinking emulsion with excellent press solubility
- Develops excellent rub, wet crinkle, and deep freeze resistance
- Excellent heat seal resistance
- Excellent adhesion to polyolefin films

The adhesion of Joncryl FLX 5000-A is very good on non-absorbing polyolefin substrates like HDPE, LDPE, and OPP. It provides water-based inks with excellent dry and wet rub, dry and wet crinkle, and ice water crinkle resistance. The heat seal resistance of inks based on this product is also ideal.

The resolubility and printability of inks based on Joncryl FLX 5000-A are far superior to traditional water-based film vehicles. It is possible to do surface-print jobs with a very high print quality level. High print speeds can be achieved using this product.

The combination of resistance and resolubility in one product makes Joncryl FLX 5000-A unique as a water-based vehicle and makes formulation of water-based inks for PE less complicated. There is no need to add a resin solution or other additives to improve resolubility.

A cost-effective and environmentally compliant alternative to solvent-based inks.

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## **Safety**

### **General**

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

### **Safety Data Sheet**

All safety information is provided in the Safety Data Sheet for Joncryl FLX 5000-A.

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## **Storage**

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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## Important

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### **BASF Corporation**

Dispersions and Resins  
11501 Steele Creek Road  
Charlotte, North Carolina 28273  
Phone: (800) 251 – 0612  
Email: [CustCare-Charlotte@basf.com](mailto:CustCare-Charlotte@basf.com)  
Email: [edtech\\_info@basf.com](mailto:edtech_info@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)