

# Printing & Packaging

## Functional Packaging Coatings

Technical Data Sheet

### Joncryl® DFC 3030



<b>Product Description</b>	Joncryl® DFC 3030 is soft film forming, direct food contact compliant, RC acrylic emulsion for printing ink, overprint varnish, and functional packaging coating applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- FDA compliant*</li><li>- Water and grease resistant</li><li>- Very low VOC</li><li>- High coefficient of friction (COF)</li></ul>
<b>Chemical Composition</b>	RC acrylic emulsion

\*The FDA status is available upon request from the contact information provided below.

### Properties

<b>Typical Properties</b>	Appearance	translucent emulsion
	Non-volatile at 145°C (2g, 60 min)	~ 48.0%
	pH at 25°C	~ 8.3
	Viscosity at 25°C (#3 LV, 30 rpm, 30 sec)	~ 1,800 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	64
	Density at 25°C	1.04 g/cm <sup>3</sup>
	MFFT	< 5°C
	Tg	- 27°C
	Freeze-thaw stable	Yes
	Total VOC	< 0.1% wt

These typical values should not be interpreted as specifications.

### Applications

Joncryl® DFC 3030 is a soft film forming, Rheology Controlled (RC) acrylic emulsion that provides flexibility, film formation, and water resistance to ink, overprint varnish, and functional packaging coating formulations for direct food contact applications.

This product may be used in paper coatings and polyolefin film applications requiring direct contact with food types and under all use conditions except extended shelf storage after cooking in the package.

Joncryl® DFC 3030 is recommended for applications such as:

- Printing inks
- Overprint varnishes for packaging, commercial, or publication applications
- Functional packaging coatings for barrier applications

---

## 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® DFC 3030.

---

## Important

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. Because many factors may affect processing or application/use, BASF recommends that the reader make tests to determine the suitability of a product for a particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS.** In no case shall the descriptions, information, data or designs provided be considered a part of BASF's terms and conditions of sale. Further, the descriptions, designs, data, and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the descriptions, designs, data or information given or results obtained all such being given and accepted at the reader's risk.

*Joncryl is a registered trademark of BASF Group.*

© BASF Corporation, 2016



**Responsible Care®**  
*Good Chemistry at Work*

BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.

For more information on Responsible Care® go to:

U.S.: [www.basf.us/responsiblecare\\_usa](http://www.basf.us/responsiblecare_usa)

Canada: [www.basf.us/responsiblecare\\_canada](http://www.basf.us/responsiblecare_canada)

México: [www.basf.us/responsiblecare\\_mexico](http://www.basf.us/responsiblecare_mexico)

### U.S & Canada

BASF Corporation  
24710 W Eleven Mile Road  
Southfield, MI 48033  
ph: 1(800) 231-7868  
fax: 1(800) 392-7429  
Email: [Custserv\\_charlotte@basf.com](mailto:Custserv_charlotte@basf.com)  
Email: [edtech\\_info@basf.com](mailto:edtech_info@basf.com)  
[www.basf.us/dpsolutions](http://www.basf.us/dpsolutions)

### Mexico

BASF Mexicana, S.A. de C.V.  
Av. Insurgentes Sur # 975  
Col. Ciudad de los Deportes  
C.P. 03710  
Mexico, D.F.  
Phone: (52-55) 5325-2756  
Fax: (52-55) 5723-3011