

# Printing & Packaging

## Functional Packaging Coatings

Technical Data Sheet

### Joncryl<sup>®</sup> DFC 3050



<b>Product Description</b>	Joncryl <sup>®</sup> DFC 3050 is a non-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>- Fast dry</li><li>- Very low VOC</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	opaque emulsion
	Non-volatile at 145°C (2g, 60 min)	~ 48.6%
	pH at 25°C	~ 8.5
	Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 1,000 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	49
	Density at 25°C	1.04 g/cm <sup>3</sup>
	MFFT	> 80°C
	Tg	99°C
	Freeze-thaw stable	Yes
	Total VOC	< 0.05% wt

These typical values should not be interpreted as specifications.

#### Applications

Joncryl<sup>®</sup> DFC 3050 is a non-film forming, RC acrylic emulsion that provides dry and block 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<sup>®</sup> DFC 3050 is recommended for applications such as:

- Printing inks
- Overprint varnishes for packaging applications
- Functional packaging coatings 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 3050.

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