

# Joncryl® 1681

<b>Product Description</b>	Joncryl 1681 is a matte, non-film forming, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- <i>Matte finish</i></li><li>- <i>Rub resistance</i></li><li>- <i>Block resistance</i></li></ul>
<b>Chemical Composition</b>	RC acrylic emulsion

## Properties

<b>Typical Properties</b>	Appearance		opaque emulsion
	Non-volatile	%	45.0
	pH at 25°C		7.5
	Viscosity at 25°C	cps	385
	Molecular weight (Mw)		> 200,000
	Acid number (NV)		29
	Density at 25°C	g/cm <sup>3</sup>	1.03
	MFFT	°C	42
	Tg	°C	56
	Freeze-thaw stable		No
	Total VOC	% wt	0.1

These typical values should not be interpreted as specifications.

## Applications

Joncryl 1681 is a controlled particle size, RC acrylic emulsion designed to give a matte finish to overprint varnishes or inks. Its low gloss and matting characteristics allow for the reduction or elimination of silica or clay matting agents.

Joncryl 1681 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- Overprint varnishes for commercial, publication, or packaging applications

<b>Processing</b>	Some settling may occur during storage; mix well before using.
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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 1681.

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## Storage

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

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