

# Joncryl® 683

<b>Product Description</b>	Joncryl 683 is a low acid-value acrylic resin for printing ink and overprint varnish applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Low acid value</li><li>- Promotes resolubility and gloss</li></ul>
<b>Chemical Composition</b>	Styrene acrylic resin

## Properties

<b>Typical Properties</b>	Appearance	clear flakes
	Acid number	165
	Molecular weight (Mw)	8,000
	Non-volatile	% 98
	Density at 25°C	g/cm <sup>3</sup> 1.13
	Softening Point	°C 81
	Tg	°C 75
	Total VOC	% wt 2.0

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

## Applications

Joncryl 683 is a low acid-value acrylic resin that imparts resolubility and gloss in alkaline-resistant inks and overprint varnishes.

Joncryl 683 is recommended for applications such as:

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

**Processing** Since Joncryl 683 is supplied in flake form; it can be solubilized in water, ammonia and alcohol.

<u>Materials</u>	<u>Parts</u>
Joncryl 683	30.0
Isopropyl alcohol	10.0
Ammonia, 28%	5.0
Water	<u>55.0</u>
Total	100.0

## 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 683.

## Storage

Please refer to the "Handling and Storage of polymer dispersions" brochure.

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