

# Printing & Packaging

## Technical Data Sheet

# Joncryl® 1695



<b>Product Description</b>	Joncryl® 1695 is zinc-free, heat-resistant, Rheology Controlled (RC) acrylic emulsion for printing ink applications.
<b>Key Features &amp; Benefits</b>	<ul style="list-style-type: none"><li>- Contains no added zinc or other metallic crosslinkers</li><li>- High heat release properties</li><li>- Hot mar resistance</li><li>- Adhesion to polyolefin films</li></ul>
<b>Chemical Composition</b>	RC acrylic emulsion

### Properties

<b>Typical Properties</b>	Appearance	translucent emulsion
	Non-volatile at 145°C (2g, 60 min)	~ 40.2%
	pH at 25°C	~ 8.5
	Viscosity at 25°C (#2 LV, 30 rpm, 30)	~ 1,100 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	120
	Density at 25°C	1.03 g/cm <sup>3</sup>
	MFFT	< 5°C
	Freeze-thaw stable	Yes
	Total VOC	0.3% wt

These typical values should not be interpreted as specifications.

### Applications

Joncryl® 1695 is a soft film forming, RC acrylic emulsion with no added zinc or other metallic crosslinkers that is designed for high heat resistance applications. This emulsion can also be used to make hot mar-resistant inks for pre-printed corrugated applications.

Joncryl® 1695 is recommended for applications such as:

- Heat-resistant printing inks for flexographic or gravure applications
- Heat-resistant overprint varnishes

<b>Processing</b>	Inks based on Joncryl® 1695 can pass 325°F heat resistance when tested face-to-face on coated paper substrates. Zinc Oxide Solution #1 can be added to further enhance heat resistance.
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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® 1695.

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