

Joncryl® 1695

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

Properties

Typical Properties	Appearance		translucent emulsion
	Non-volatile	%	39.2
	pH at 25°C		8.1
	Viscosity at 25°C	cps	700
	Molecular weight (Mw)		> 200,000
	Acid number (NV)		120
	Density at 25°C	g/cm ³	1.03
	MFFT	°C	< 5
	Tg	°C	- 50
	Freeze-thaw stable		Yes
	Total VOC	% wt	0.3

* 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

Processing	Inks based on Joncryl 1695 can pass 325°F heat seal release 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.

Storage

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

Important

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