

# Joncryn<sup>®</sup> 1695

**General** Joncryn<sup>®</sup> 1695 is zinc-free, heat-resistant, acrylic emulsion for printing ink applications

**Key features & benefits**

- contains no added zinc or other metallic crosslinkers
- high heat release properties
- hot mar resistance
- adhesion to polyolefin films

**Chemical composition** acrylic emulsion

## Properties

**Appearance** translucent emulsion

### Typical characteristics

*(should not be interpreted as specifications)*

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 sec)	~ 1,100 cps
molecular weight (Mw)	>200,000
acid number	120
density at 25°C	1.03 g/cm <sup>3</sup>
MFFT	<5°C
freeze-thaw stable	Yes
total VOC	0.3% wt

## Application

Joncryn<sup>®</sup> 1695 is a soft film forming, 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.

Joncryn<sup>®</sup> 1695 is recommended for applications such as:

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

Inks based on Joncryn<sup>®</sup> 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.

Joncryl® 1695 TDS EN (02-2020)

**Safety**

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

**Note**

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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