

# JONCRYL<sup>®</sup> 90

## Key features and benefits

- excellent optical clarity
- high gloss
- good heat resistance
- fast drying

**a styrene-acrylic copolymer emulsion for use in water-based overprint varnishes and inks**

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## General information

### Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
non-volatile	44%
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	260 mPa.s
pH	8.3
acid value (on solids)	76
density at 25 °C (77 °F)	1.05 g/cm <sup>3</sup>
minimum film-forming temperature	>85 °C (>185 °F)
glass transition temperature T <sub>g</sub> (DSC)	110 °C (230 °F)
freeze/thaw-stable	yes

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## **Applications**

JONCRYL® 90 is a non-film-forming emulsion developed for use in water-based overprint varnishes and flexographic and gravure inks, providing high heat seal and film release properties. The heat resistant properties may be further enhanced by the addition of Zinc Ammonium Carbonate solution. In overprint varnishes JONCRYL® 90 additionally provides gloss and optical clarity.

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## Typical formulations using JONCRYL® 90

economical flexographic overprint varnish for paper and paperboard

60.0 parts	JONCRYL® 90
27.0 parts	JONCRYL® 8078
5.0 parts	PE wax emulsion*
2.5 parts	dowanol DPM
3.0 parts	wetting agent
0.5 parts	defoamer
2.0 parts	water
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100.0 parts	

high gloss overprint varnish for in-line off set

56.0 parts	JONCRYL® 90
31.0 parts	JONCRYL® 8085
5.0 parts	PE wax emulsion*
2.5 parts	dowanol DPM
3.0 parts	wetting agent
0.5 parts	defoamer
2.0 parts	water
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100.0 parts	

flexographic printing ink for paper and paperboard

40.0 parts	pigment concentrate*
50.0 parts	JONCRYL® 90
5.0 parts	PE wax emulsion*
2.0 parts	dowanol DPM
2.5 parts	water
0.5 parts	defoamer
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100.0 parts	

\* BASF also offers a full range of wax emulsions and dispersion resins.

For further detailed application information please contact our Technical Support Department.

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## Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

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## 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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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