

# JONCRYL<sup>®</sup> 8055

## Key features and benefits

- exceptional low odor
- excellent resolubility
- good heat resistance
- high gloss
- fast drying
- metallic ink vehicle

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

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## General information

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

appearance	semi translucent emulsion
non-volatile	46%
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	400 mPa.s
pH	7.9
acid value	-
density at 25 °C (77 °F)	1.04 g/cm <sup>3</sup>
minimum film-forming temperature	>85 °C (>185 °F)
glass transition temperature Tg (DSC)	110 °C (230 °F)
freeze/thaw-stable	no

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## **Applications**

JONCRYL® 8055 is a non-film-forming emulsion developed for use in water-based flexographic and gravure inks and overprint varnishes providing a significantly lower ammonia odor than any of the other non-film-forming polymers in the JONCRYL® polymer range. It also provides heat seal and film release properties.

The heat resistance properties may be further enhanced by the addition of zinc ammonia carbonate solution. In overprint varnishes JONCRYL® 8055 additionally provides gloss and optical clarity.

The unique characteristics of this hard emulsion polymer provides it with superior resolubility properties. JONCRYL® 8055 may be used in formulations allowing ink manufacturers to formulate inks with a wide range of resolubility.

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## Typical formulations using JONCRYL® 8055

high gloss OPV Formulation

60.0 parts	JONCRYL® 8055
31.5 parts	JONCRYL® 8085
2.5 parts	dowanol DPM
6.0 parts	PE wax emulsion*
100.0 parts	

flexographic printing ink for paper, paperboard and newsprint

30.0 parts	pigment concentrate*
60.0 parts	JONCRYL® 8055
5.0 parts	PE wax emulsion*
0.5 parts	defoamer
2.5 parts	dowanol DPM
2.0 parts	water
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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BASF Resins B.V.  
P. O. Box  
8440 AJ Heerenveen, The Netherlands  
Phone +31 513 619 619  
Fax +31 513 619 600  
resins@basf.com  
www.basf.com/resins