BASF
The Chemical Company

JONCRYL® 631

Key features and benefits

- increases color intensity
- excellent resolubility and printability
- glycol ether free

a high hiding styrene-acrylic copolymer emulsion for use in water-based inks

General information

Typical physical characteristics (not to be considered specifications)

appearance	opaque emulsion
non-volatile	49.5%
molecular weight (wt. av.)	> 200,000
viscosity at 25 °C (77 °F) (Brookfield)	2,500 mPa.s
pH	7.8
acid value	31
density at 25 °C (77 °F)	1.04 g/cm^3
minimum film-forming temperature	>85 °C (185 °F)
glass transition temperature Tg (DSC)	107 °C (225 °F)
freeze/thaw-stable	yes

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Applications

JONCRYL® 631 is a controlled particle size emulsion designed to hide the brown background of natural kraft substrates. The use of JONCRYL® 631 as a letdown vehicle results in more intense, brighter printed colors. The semi-opaque nature of JONCRYL® 631 allows for the reduction in the level of pigments as well as extenders.

Typical formulations using JONCRYL® 631

printing ink for corrugated board, paper and paperboard

35.0	parts	pigment concentrate*
49.0	parts	JONCRYL® 631
5.0	parts	PE wax emulsion*
1.0	parts	defoamer
10.0	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.

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.

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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