

JONCRYL® 617

Key features and benefits

- excellent water and grease resistance
- good gloss and transparency
- good film forming properties
- economical

an acrylic polymer emulsion for use in water-based inks and overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi translucent emulsion
non-volatile	45.5%
molecular weight (wt.av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	1,250 mPa.s
pH	8.3
acid value (on solids)	63
density at 25 °C (77 °F)	1.06 g/cm ³
minimum film-forming temperature	<0 °C (<32 °F)
glass transition temperature T _g (DSC)	7 °C (45 °F)
freeze/thaw-stable	yes

Applications

JONCRYL® 617 is a film forming emulsion designed to provide high gloss and clarity in water-based flexo and gravure inks and overprint varnishes on absorbing and non-absorbing substrates. It may be used as a modifier to improve film forming properties of high MFT polymer emulsions.

Typical formulations using JONCRYL® 617

printing ink for paper and paperboard

43.2 parts	pigment concentrate*
44.0 parts	JONCRYL® 617
0.5 parts	defoamer
12.3 parts	water
100.0 parts	

overprint varnish for paper and paperboard

17.5 parts	JONCRYL® 90
55.0 parts	JONCRYL® 617
20.0 parts	JONCRYL® 8078
3.0 parts	wetting agent
0.5 parts	defoamer
4.0 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.

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