

JONCRYL® 1680

Key features and benefits

 extremely low gloss (typical gloss-level of polymer below 10 at 60 degree angle on gloss card) a styrene-acrylic copolymer emulsion for use in low gloss/matt overprint varnishes

General information

Typical physical characteristics (not to be considered specifications)

appearance	white emulsion
non-Volatile	43.5%
molecular weight (wt. av.)	200,000
viscosity at 25 °C (77 °F) (Brookfield)	300 mPa.s
рН	7.6
acid number	28
density at 25 °C (77 °F)	1.05 g/cm ³
minimum film-forming temperature	49 °C (120 °F)
glass transition temperature Tg (DSC)	56 °C (133 °F)
freeze/thaw-stable	no

Applications

JONCRYL® 1680 has been developed as a matt emulsion for overprint varnishes allowing the formulation of low gloss/matt overprint varnishes without using matting agents.

Typical formulations using JONCRYL® 1680

matt overprint varnish for in-line off set

63.5 parts	JONCRYL® 1680
30.0 parts	JONCRYL® 74
2.0 parts	wetting agent
4.0 parts	wax dispersion*
0.5 parts	defoamer

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