

Key features and benefits

- excellent grease resistance
- excellent film clarity
- excellent resolubility
- good adhesion to non-absorbing substrates

Joncryl® 8050

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

General information

Typical physical characteristics (not to be considered specifications)

| | |
|---|---------------------------|
| appearance | semi-translucent emulsion |
| non -volatile | 42 % |
| molecular weight (wt. av.) | >200,000 |
| viscosity at 25 °C (77 °F) (Brookfield) | 550 mPa.s |
| pH | 7.9 |
| acid value (on solids) | 114 |
| density at 25 °C (77 °F) | 1.05 g/cm ³ |
| minimum film-forming temperature | <-5 °C (<23 °F) |
| glass transition temperature T _g (DSC) | -18 °C (0 °F) |
| freeze/thaw-stable | yes |

Applications

Joncryl® 8050 is an acrylic film-forming emulsion designed for use in water-based flexographic and gravure inks and overprint varnishes providing excellent grease resistance. It provides very transparant overprint varnishes.

Typical formulations using Joncryl® 8050

grease resistant overprint varnish

| | |
|-------------|------------------|
| 64.0 parts | Joncryl® 8050 |
| 27.5 parts | Joncryl® 8078 |
| 0.5 parts | defoamer |
| 3.0 parts | leveling agent |
| 5.0 parts | PE wax emulsion* |
| 100.0 parts | |

grease resistant ink

| | |
|-------------|----------------------|
| 30.0 parts | pigment concentrate* |
| 64.5 parts | Joncryl® 8050 |
| 0.5 parts | defoamer |
| 5.0 parts | PE wax emulsion* |
| 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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