Joncryl® FLX 5000

General

a self-crosslinking acrylic emulsion with excellent resolubility for water-based inks used for surface printing on film substrates

Key features & benefits

- good dry and wet rub resistance
- excellent resolubility and printability
- good heat-seal resistance
- good blocking resistance

Chemical nature

an acrylic emulsion

Properties

Appearance

semi-translucent emulsion

Typical characteristics
(should not be interpreted as specifications)

non-volatile	42 %
molecular weight (wt. av.)	>200,000
Brookfield viscosity at 25 °C	1,000 mPa.s
pH	8.9
acid value (on solids)	100
density at 25 °C	1.05 g/cm³
minimum film-forming temperature	<5 °C
freeze/thaw-stable	no

Application

Joncryl® FLX 5000 with its good resolubility is very suitable for general surface print jobs on PE and PP with low to medium demand on resistance; e.g. dry food packaging and boutique bags.
Also for printing in line with extrusion, Joncryl® FLX 5000 based inks offer the right resolubility and printability behavior.

The Joncryl® FLX line has been introduced to support the conversion from solvent to water-based ink for film printing applications.

Typical formulation

medium-duty film ink
providing good resistance and resolubility

47.9	parts	Joncryl® FLX 5000
46.0	parts	pigment concentrate*
1.0	parts	Tego®1 Wet 500
0.6	parts	Foamstar® SI 2213
1.0	parts	Joncryl® Wax 4
0.5	parts	Hydropalat® SL 3682
3.0	parts	Dow®2 Corning 84
100.0	parts	

* BASF also offers a full range of Joncryl® HPD dispersion resins.
®1 Evonik Industries
®2 Dow Corning

For further detailed application information please contact our Technical Support Department.

Safety
When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

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. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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