

Joncryn[®] FLX 5002

general	a film-forming acrylic emulsion with excellent resolubility for water-based inks used for surface printing on film substrates
key features & benefits	good dry resistance excellent resolubility and printability good heat-seal resistance excellent blocking resistance
chemical nature	acrylic emulsion

Properties

appearance semi-translucent emulsion

typical characteristics

(should not be interpreted as specifications)

non-volatile	35 %
molecular weight (wt. av.)	>200,000
viscosity at 25 °C	240 mPa.s
pH	8.8
density at 25 °C	1.05 g/cm ³
minimum film-forming temperature	<5 °C
freeze/thaw-stable	no

Application

JJoncryn[®] FLX 5002 is introduced to serve the low and medium duty film printing segment as well as printing of PE coated paper materials and bioplastics substrates.

Joncryn[®] FLX 5002 is introduced to fill the gap between standard soft emulsions and Joncryn[®] FLX 5000. In segments where printability and costs are highly appreciated and resistance properties have a lower priority Joncryn[®] FLX 5002 is the FLX product of choice.

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

Drivers for conversion are the solvent related legislation like the SED (Solvent emission directive), ATEX (explosion safety) and IPPC (handling of chemicals).

Another important driver is the costs involved in dealing with solvents legislations. To support the communication on cost saving opportunities BASF developed a cost calculation model.

The first product in the Joncryn[®] FLX Line is Joncryn[®] FLX 5000 which is generally accepted in the market and appreciated for its good resolubility and printability while still having a good resistance level. Joncryn[®] FLX 5000 finds its way in medium duty surface film printing (LDPE and OPP substrates) in applications like shopping bags and bread bags and also on PE coated paper applications like paper cups.

Typical formulations using Joncryl® FLX 5002

low and medium-duty film ink
providing good resistance and resolubility

47.7 parts	Joncryl® FLX 5002
46.0 parts	pigment concentrate*
1.0 parts	Tego® ¹ Wet 500
0.6 parts	BYK® ² 094
0.2 parts	BYK® ² 024
1.0 parts	Joncryl® Wax 4
0.5 parts	Tego® ¹ Glide 482
3.0 parts	Dow® ³ Corning 84
100.0 parts	

* BASF also offers a full range of Joncryl® HPD dispersion resins.

®¹ registered trademark of Evonik Degussa

®² registered trademark of BYK

®³ registered trademark of Dow Corning

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

Joncryl® FLX 5002 TDS EN (08-2019)

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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