

Joncryl[®] FLX 5030

preliminary datasheet

Key features and benefits

- excellent bond strength in lamination
- excellent resolubility and printability
- excellent heat-seal bondstrength
- fast curing

a self-crosslinking acrylic emulsion with excellent resolubility for water-based white inks used for reverse printing on film substrates and subsequent adhesion lamination

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi-translucent emulsion
non-volatile	42.5 %
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	40 mPa.s
pH	8.2
density at 25 °C (77 °F)	1.03 g/cm ³
VOC (by GC analysis)	<0.5 %
acid value (on solids)	26
minimum film-forming temperature	8 °C (46.4 °F)
freeze/thaw-stable	no

Applications

The products from the Joncryl® FLX Line are developed for use in flexible packaging applications and have an excellent resistance/resolubility balance. This balance makes it possible to achieve high quality on surface print jobs using water-based ink formulations.

The Joncryl® FLX Line proves that it is possible to combine good resistance with very good printability in water-based inks, making the conversion to water-based inks for medium-duty film applications a cost-effective reality.

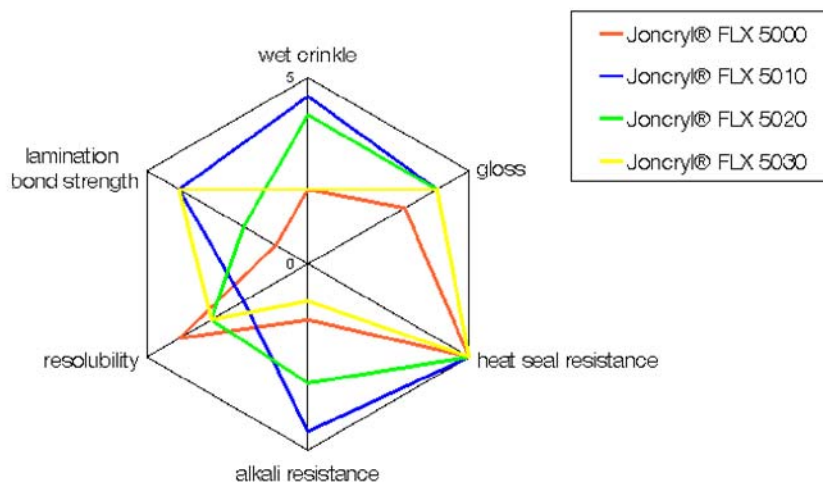
Joncryl® FLX 5000 with its good resolubility is very suitable for general print jobs on PE and PP with lower demands on resistance; e.g. dry food packaging and boutique bags.

Joncryl® FLX 5010 is providing higher resistance properties and therefore suitable for more demanding segments. It provides good bond strength for lamination.

Joncryl® FLX 5020 shows a further improved resistance / resolubility balance in comparison with the first FLX types. Target segments that will benefit from these improvements are the same segments as for Joncryl® FLX 5010 being heavy-duty, bread bags and deep-freeze bags.

Joncryl® FLX 5030 is developed for water-based lamination inks. A white ink based on Joncryl® FLX 5030 shows a very good leveling and lay. Reverse printed on OPP and laminated with solvent-free adhesives it results in laminates suitable for the medium-duty laminate segment like bakery, confectionery and snack foods packaging.

We do not recommend using Joncryl® FLX 5030 in surface printing inks because the resistance level is lower than the other FLX Line products.



Typical formulation using Joncryl® FLX 5030

lamination ink

solvent-free adhesive lamination of PE and PP film for general demands

lamination white

40.0 parts	pigment concentrate*
56.0 parts	Joncryl® FLX 5030
0.5 parts	DSX® ¹ 2000
1.0 parts	Tego® ² Wet 500
0.5 parts	Tego® ² Foamex 1488
2.0 parts	Joncryl® Wax 35
100.0 parts	

* BASF also offers a full range of dispersion resins.

For further detailed application information please contact our Technical Service 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.

®1 registered trademark of Cognis

®2 registered trademark of Evonik Degussa

BASF Nederland B.V.
Performance Chemicals
P. O. Box 390
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619
Fax +31 513 619 600
resins@basf.com
www.basf.com/resins