

Joncryl[®] FLX 5026

general	a self-crosslinking acrylic emulsion with good resolubility for water-based white inks used for surface printing on polypropylene substrates
key features & benefits	<div>very good resistance</div> <div>good resolubility</div> <div>excellent printability</div> <div>excellent heat-seal resistance on OPP</div> <div>good ink transfer at high speed</div> <div>high gloss</div> <div>good overprintability with both solvent-based and water-based colors</div>
chemical nature	acrylic emulsion

Properties

appearance semi-translucent emulsion

typical characteristics

(should not be interpreted as specifications)

non-volatile	45 %
molecular weight (wt. av.)	>200,000
Brookfield viscosity at 25 °C	175 mPa.s
pH	9.0
acid value (on solids)	7
density at 25 °C	1.03 g/cm ³
minimum film-forming temperature	11 °C
VOC (by GC analysis)	< 0.5%
freeze/thaw-stable	no

Application

Joncryl[®] FLX 5026 has been developed for surface printing white inks on OPP substrates. In a formulated white ink Joncryl[®] FLX 5026 offers the required physical properties such as high heat resistance, very good scratch and crinkle resistance, high opacity and high gloss.

A Joncryl[®] FLX 5026 based white ink can be overprinted with both solvent-based and water-based colors without re-dissolving or printability problems. Due to the high pigment loading and good transfer at high speed it is possible to use finer aniloxes which reduces ink usage and solvent emissions.

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

Typical formulations using Joncryl® FLX 5026

surface print white ink on coex-OPP and transparent LDPE

40.0 parts	white pigment concentrate
53.0 parts	Joncryl® FLX 5026
5.0 parts	n-propanol
0.5 parts	Hydropalat® SL 3682
1.0 parts	Foamstar® SI 2231
0.5 parts	Joncryl® Wax 4
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100.0 parts	

white pigment concentrate

17.0 parts	water
7.5 parts	TEGO® Dispers 750 W
0.5 parts	antifoam
75.0 parts	TiO ₂
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100.0 parts	

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

Joncryl® FLX 5026 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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