

Joncryl[®] FLX 5040

general

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

key features & benefits

good bond strength on OPP lamination
excellent resolubility and printability
versatile with many pigment concentrates

chemical nature

acrylic emulsion

Properties

appearance

semi-translucent emulsion

typical characteristics

(should not be interpreted as specifications)

non-volatile	46 %
molecular weight (wt. av.)	>200,000
Brookfield viscosity at 25 °C	1,350 mPa.s
pH	9.2
density at 25 °C	1.04 g/cm ³
acid value (on solids)	85
minimum film-forming temperature	<5 °C
freeze/thaw-stable	No

Application

Joncryl[®] FLX 5040 is developed for use in medium-duty lamination inks. A water-based ink based on Joncryl[®] FLX 5040 shows 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 food packaging.

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 5040

lamination ink

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

lamination ink – color

56.6 parts	Joncryl® FLX 5040
37.5 parts	pigment concentrate*
0.3 parts	Joncryl® Wax 4
0.6 parts	Foamstar® SI 2213
5.0 parts	water
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100.0 parts	

lamination ink – white

54.1 parts	Joncryl® FLX 5040
40.0 parts	white pigment concentrate**
0.3 parts	Joncryl® Wax 4
0.6 parts	Foamstar® SI 2213
5.0 parts	water
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100.0 parts	

* Color pigment concentrate (35-45 % pigment dispersed in Joncryl® HPD 396)

** White pigment concentrate (75% pigment dispersed in Dispex® Ultra FA 4483)

Joncryl® FLX 5040 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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