

Joncryl[®] FLX 5020

general	a self-crosslinking acrylic emulsion with good resolubility for water-based inks used for surface printing on film substrates
key features & benefits	excellent resistance; alkaline, wet-crinkle, deep-freeze good resolubility and printability good heat seal resistance fast curing high gloss
chemical nature	acrylic emulsion

Properties

appearance semi-translucent emulsion

typical characteristics

(should not be interpreted as specifications)

non-volatile	41 %
molecular weight (wt. av.)	>200,000
Brookfield viscosity at 25 °C	40 mPa.s
pH	8.1
density at 25 °C	1.03 g/cm ³
acid value (on solids)	26
minimum film-forming temperature	13 °C
freeze/thaw-stable	no

Application

Joncryl[®] FLX 5020 is developed for use in medium- and heavy-duty film printing applications. Resolubility and printability properties are improved while maintaining resistance properties at a level needed for the higher demand segments.

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.

By blending Joncryl[®] FLX 5010 and Joncryl[®] FLX 5020 the resistance/resolubility balance can be optimized according the demand of the specific application. Addition of Joncryl[®] FLX 5010 will move the balance to a higher resistance, Joncryl[®] FLX 5020 will improve printability and resolubility.

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 5020

Medium-duty film ink

Providing excellent resistance and resolubility

40.0 parts	pigment concentrate*
53.5 parts	Joncryl® FLX 5020
0.4 parts	Rheovis® PU 1331
0.6 parts	Hydropalat® SL 3682
1.0 parts	Tego® ¹ Wet 500
0.5 parts	Foamstar® SI 2213
4.0 parts	Joncryl® Wax 35
100.0 parts	

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

^{®1} Evonik Industries

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

Joncryl® FLX 5020 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.

® = registered trademark, ™ = trademark of the BASF Group, unless otherwise noted

BASF East Asia Regional Headquarters Ltd.

45th Floor, Jardine House, No. 1 Connaught Place, Central, Hong Kong