

Joncryl[®] FLX 5220

General

a polyurethane – styrene acrylate hybrid dispersion for use in lamination inks for medium to high duty film applications

Key features & benefits

- excellent lamination bond strength
- suitable for a broad range of substrates
- good compatibility with pigment concentrates and letdown varnishes
- excellent transfer and printability

Chemical nature

an aliphatic polyurethane and styrene acrylate hybrid dispersion

Properties

Appearance

translucent emulsion

Typical characteristics

(should not be interpreted as specifications)

non-volatile	43 %
molecular weight (wt. av.)	> 200,000
Brookfield viscosity at 25 °C	200 mPa.s
pH (25 °C)	8.0
minimum film-forming temperature	<0 °C
freeze/thaw-stable	no

Application

Joncryl[®] FLX 5220 is specially designed for use in water-based lamination inks for medium to high duty applications.

An ink formulation based on Joncryl[®] FLX 5220, printed to BOPP or PET but also to OPA and subsequently laminated to LDPE, provides lamination structures with high lamination bond strengths.

These structures are very suitable to be used for food, snacks, candy packaging and also for laminated deepfreeze, coffee and fatty products like cheese and cold cuts packaging.

Inks based on Joncryl[®] FLX 5220 have a very good printability which shows itself in a very nice lay at different substrates.

The pigment paste compatibility of Joncryl[®] FLX 5220 is very good making it a versatile vehicle that can be incorporated in many ink formulas.

Typical formulations

Blue inks

61.5 parts	Joncryl® FLX 5220
35.0 parts	pigment concentrate PB 15:3
0.5 parts	Foamstar® SI 2213
3.0 parts	IPA
100.0 parts	

White inks

56.5 parts	Joncryl® FLX 5220
40.0 parts	pigment concentrate PW 6
0.5 parts	Foamstar® SI 2213
3.0 parts	n-Propanol
100.0 parts	

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

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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BASF Nederland B.V.
Resins & Additives
P.O. Box 390
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619

resins@basf.com
www.basf.com/resins