BASF
We create chemistry

Joncryl® FLX 5201

general	a polyurethane dispersion for use in lamination inks for medium-duty film applications
key features & benefits	excellent lamination bond strength good compatibility with pigment concentrates and letdown varnishes good transfer and printability
chemical nature	an aliphatic polyurethane dispersion

Properties

appearance translucent emulsion

typical characteristics
(should not be interpreted as specifications)

non-volatile	40 %
Brookfield viscosity at 25 °C	80 mPa.s
pH	8.5
minimum film-forming temperature	<0 °C
freeze/thaw-stable	no

Application

Joncryl® FLX 5201 is specially designed for use in water-based lamination inks for medium duty applications.

An ink formulation based on Joncryl® FLX 5201, printed to BOPP, PET or nylon and subsequently laminated to LDPE and/or aluminium provides excellent lamination structures with high lamination bond strengths. These structures are very suitable to be used for dry food, snack, candy and laminated deepfreeze packaging.

Adding Joncryl® FLX 5040 to a Joncryl® FLX 5201 ink formulation will enhance the resolubility and cost structure while maintaining the good lamination bond strength.

Pigment paste compatibility of Joncryl® FLX 5201 is good making it a versatile vehicle that can be incorporated in many ink formulas.

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 5201

Color inks

39.9	parts	pigment concentrate*
56.2	parts	Joncryl® FLX 5201
0.5	parts	Foamstar® SI 2213
0.2	parts	Joncryl® Wax 4
3.2	parts	IPA
100.0	parts	

White inks

42.3	parts	pigment concentrate**
53.8	parts	Joncryl® FLX 5201
0.5	parts	Foamstar® SI 2213
0.2	parts	Joncryl® Wax 4
3.2	parts	IPA
100.0	parts	

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

** White pigment concentrate (75% pigment dispersed in TEGO® Dispers 750 W)

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

BASF East Asia Regional Headquarters Ltd.
45th Floor, Jardine House, No. 1 Connaught Place, Central, Hong Kong