

Joncryl[®] 7256

General

Joncryl[®] 7256 is an emulsion developed for the gravure film surface printing ink application for general purpose. It can be used as main binder for the ink and provide good adhesion on various films. Meanwhile, has good compatibility with various pigment concentrate. Also provide excellent printability for gravure application, alcohol can be added which can further help for the drying speed and leveling.

Key Features & Benefits

Good adhesion on various substrates
Alcohol tolerance
Rub resistance
Wet and dry wrinkle resistance
Printability
Compatibility with various pigment concentrate

Chemical Composition

Styrene Acrylic emulsion

Properties

Appearance

Semi translucent emulsion

Typical characteristics

(should not be interpreted as specifications)

Non-volatile	42 %
Acid Value(on solid)	23
pH (25°C)	8.3
Viscosity (mPa.s, 25°C)	40
Glass transition temperature Tg (DSC)	-10°C
MFFT	<5°C

Application

Binder for gravure film surface ink
Binder for flexo film surface ink

Formulation Guidelines

Joncryl[®] 7256 can be used in conjunction with resin or surfactant based commercially available pigment concentrate and is compatible with standard ink-making materials.

Starting Formulation

The following starting point formulations are recommended for initial evaluations of Joncryl[®] 7256. Additional optimization of the formulations may be required to achieve desired results for specific applications.

Pigment concentrate

	Cyan paste	Red paste	Yellow paste	Black paste	White paste
Heliogen Blue D 7088	40~45%				
PR146		40~45%			
PY14			40~45%		
Black				30~35%	
TiO2					60~70%

Joncry HPD 196	25~29%	25~29%	25~29%	26~30%	18~22%
Disper BYK 2012				2.2~2.6 %	
Dispex Ultra PX 4525					1.0~1.2 %
FoamStar ST 2250	0.30%	0.30%	0.30%	0.30%	0.30%
Water	30~35%	30~35%	30~35%	30~35%	10~15%
Total	100%	100%	100%	100%	100%

Finish Ink

	Cyan ink	Red Ink	Yellow ink	Black Ink	White ink
Cyan paste	30~35%				
Red paste		30~35%			
Yellow paste			30~35%		
Black paste				35~45%	
White paste					40~50%
Joncryl® 7256	50~60%	50~60%	50~60%	45~55%	40~50%
Hydropalat WE3221	~0.5%	~0.5%	~0.5%	~0.5%	~0.5%
Hydropalat WE3650	~0.5%	~0.5%	~0.5%	~0.5%	~0.5%
Dow corning 51	~0.5%	~0.5%	~0.5%	~0.5%	~0.5%
Joncryl wax 35	~3%	~3%	~3%	~3%	~3%
IPA / Ethanol	~3%	~3%	~3%	~3%	~3%
Foamstar SI 2438	0.1~0.3 %	0.1~0.3 %	0.1~0.3 %	0.1~0.3 %	0.1~0.3 %
Water	~3%	~3%	~3%	~3%	~3%
Total	100%	100%	100%	100%	100%

Joncryl® 7256 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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