

Key features and benefits

- low maintenance
- pH-neutral
- high gloss
- excellent resolubility

Joncryl[®] LMV 7051

a low maintenance vehicle, pH-neutral, hard, non-film-forming styrene-acrylic emulsion for use in water-based inks for paper and paperboard

General information

Typical physical characteristics (not to be considered specifications)

appearance	semi-translucent emulsion
non-volatile	44.5 %
molecular weight (wt. av.)	>200,000
viscosity at 25 °C (77 °F) (Brookfield)	400 mPa.s
pH	7.5
acid value (on solids)	115
minimum film-forming temperature	56 °C (133 °F)
glass transition temperature T _g (DSC)	98 °C (208 °F)
freeze/thaw-stable	yes

Applications

Joncryl® LMV 7051 emulsion is a low maintenance, pH-neutral, high Tg Rheology Controlled (RC) acrylic emulsion that provides very good gloss in formulations for paper and paperboard.

Joncryl® LMV 7051 emulsion can be used to formulate high performance inks that do not rely on press-side modifications of pH with ammonium hydroxide or organic amines.

By varying the concentration of Joncryl® LMV 7051 emulsion, the formulator is able to adapt the drying speed of the formula to meet press requirements while producing sharp line work and precise process dots.

Typical formulations using Joncryl® LMV 7051

high-quality press-stable paper and paperboard water-based ink

37.0 parts	Joncryl® LMV 7085 pigment concentrate*
54.0 parts	Joncryl® LMV 7051
3.5 parts	water
5.0 parts	PE wax emulsion*
0.5 parts	defoamer
100.0 parts	

In order to obtain the maximum benefits of the LMV technology it is preferable to use a pigment concentrate based on Joncryl® LMV 7085.

high-quality pH-neutral pigment concentrates

27.0 parts	Joncryl® LMV 7085
0.5 parts	defoamer
27.5 parts	water
45.0 parts	organic pigment
100.0 parts	

* BASF also offers a full range of wax emulsions and dispersion resins.

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

Safety

When handling these products, advice and information given in the safety data sheet must be complied with. Further, protective and workplace hygiene measures adequate for handling chemicals must be observed.

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. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

BASF Nederland B.V.
Performance Chemicals
P. O. Box 390
8440 AJ Heerenveen, The Netherlands
Phone +31 513 619 619
Fax +31 513 619 600
resins@basf.com
www.basf.com/resins