

Printing & Packaging

Technical Data Sheet



Joncryl[®] LMV 7051

Product Description	Joncryl [®] LMV 7051 is a low maintenance vehicle, pH-stable, non-film forming, Rheology Controlled (RC) acrylic emulsion for printing ink applications.
Key Features & Benefits	<ul style="list-style-type: none">- Low pH maintenance- Excellent resolubility- High gloss and holdout
Chemical Composition	RC acrylic emulsion

Properties

Typical Properties	Appearance	opaque emulsion
	Non-volatile at 145°C (2g, 30 min)	~ 45%
	pH at 25°C	~ 7.8
	Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 200 – 700 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	115
	Density at 25°C	1.04 g/cm ³
	MFFT	56°C
	Tg	98°C
	Freeze-thaw stable	Yes
	Total VOC	0.3% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] LMV 7051 is a low maintenance, pH-stable, non-film forming, RC acrylic emulsion that provides high gloss and holdout in ink formulations for paper and paperboard substrates. This product can be used to formulate high performance inks that do not rely on press-side modifications of pH with ammonium hydroxide or organic amines and is compatible with a wide range of formulation components.

The combination of good drying speed and excellent resolubility of Joncryl[®] LMV 7051 allows the formulator to produce high gloss inks that produce sharp line work and precise process dots.

Joncryl[®] LMV 7051 is recommended for applications such as:

- Printing inks for flexographic or gravure applications

Safety

General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Joncryl® LMV 7051.

Important

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