

Printing & Packaging

Technical Data Sheet

Joncryl[®] LMV 7050



Product Description	Joncryl [®] LMV 7050 is a low maintenance vehicle, pH-stable, Rheology Controlled (RC) acrylic emulsion for printing ink applications.
Key Features & Benefits	<ul style="list-style-type: none">- Low pH maintenance- Excellent resolubility- Fast dry
Chemical Composition	RC acrylic emulsion

Properties

Typical Properties	Appearance	semi-translucent emulsion
	Non-volatile at 145°C (2g, 30 min)	~ 48.5%
	pH at 25°C	~ 7.7
	Viscosity at 25°C (#3 LV, 60 rpm, 30 sec)	~ 300 – 1,600 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	85
	Density at 25°C	1.06 g/cm ³
	MFFT	80°C
	Tg	98°C
	Freeze-thaw stable	Yes
	Total VOC	< 0.2% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] LMV 7050 is a low maintenance, pH-stable, hard non-film forming, RC acrylic emulsion that provides fast dry and excellent resolubility in ink formulations for paper and paperboard substrates. This 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 7050, 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.

Joncryl[®] LMV 7050 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 7050.

Important

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