

Printing & Packaging

Technical Data Sheet



Joncryl[®] LMV 7014

Product Description	Joncryl [®] LMV 7014 is a low maintenance vehicle, pH-stable acrylic colloidal emulsion for pigment dispersions in printing ink applications.
Key Features & Benefits	<ul style="list-style-type: none">- Low pH maintenance- Excellent resolubility- Cost effective
Chemical Composition	Acrylic colloidal emulsion

Properties

Typical Properties	Appearance	white emulsion
	Non-volatile at 145°C (2g, 30 minutes)	~ 35.0%
	pH at 25 ± 1°C	~ 4.8
	Viscosity at 25°C (Brookfield #2LV, 30 rpm, 30 seconds)	< 100 cps
	Molecular weight (Mw)	45,000
	Acid number (NV)	201
	Density at 25°C	1.08 g/cm ³
	MFFT	< 5°C
	Tg	50°C
	Freeze-thaw stable	Yes
	Total VOC	< 0.1% wt

These typical values should not be interpreted as specifications.

Applications

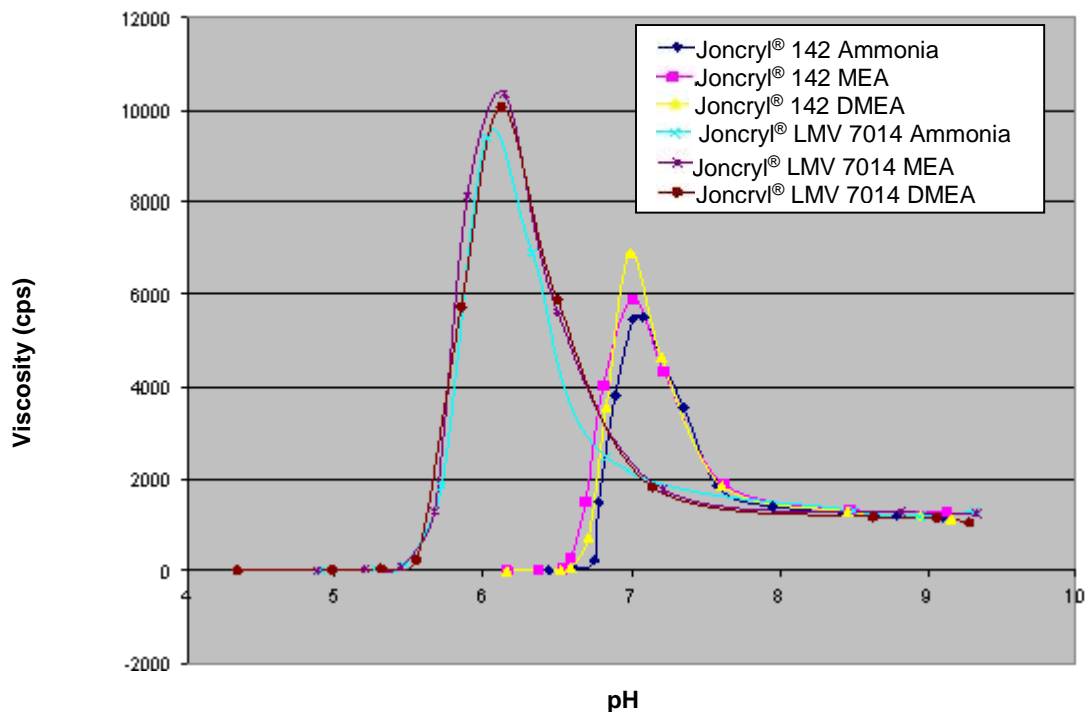
Joncryl[®] LMV 7014 is a low maintenance, pH-stable acrylic colloidal emulsion designed as a sole vehicle for carbon black ink. Joncryl[®] LMV 7014 can also be used as a letdown vehicle for organic pigment colors. In addition, it can be used to disperse inorganic pigments.

Joncryl[®] LMV 7014 is recommended for applications such as:

- Sole vehicle for carbon black ink
- Letdown vehicle for organic pigment colors
- To disperse inorganic pigments

Joncryl[®] LMV 7014 is compatible with the full range of Joncryl[®] LMV polymers that enable the formulation of low maintenance inks that do not rely on press-side additions of ammonia or organic amines to maintain press stability.

Viscosity vs. pH (22% polymer solids)



For starting point formulations, please contact Technical Service at 800-231-7868.

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 7014.

Storage

Properly stored and protected, an unopened container of Joncryl® LMV 7014 should have a shelf life of at least one year.

Important

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