

Printing & Packaging

Technical Data Sheet

Joncryl[®] LMV 7031



Product Description	Joncryl [®] LMV 7031 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- Good water resistance- Excellent resolubility- Adhesion to film and foil
Chemical Composition	RC acrylic emulsion

Properties

Product Specifications	Appearance	semi-translucent emulsion
	Non-volatile at 145°C (2g, 60 min)	46.5 – 48.5%
	pH at 25°C	7.0 – 8.0
	Viscosity at 25°C (#3 LV, 30 rpm, 30 sec)	450 – 2,900 cps
Typical Characteristics	Appearance	semi-translucent emulsion
	Molecular weight (Mw)	> 200,000
	Non-volatile	47.5%
	pH	7.5
	Acid number (NV)	57
	Viscosity at 25°C (Brookfield #2 LVF spindle, 12 rpm)	1,500 cps
	Density at 25°C	1.04 g/cm ³
	MFFT	- 1°C
	Tg	- 9°C
	Freeze-thaw stable	Yes
	Total VOC	0.6% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] LMV 7031 a film forming, low maintenance, pH stable, Rheology Controlled (RC) acrylic emulsion for use in inks for film and foil applications. It has very good water resistance and adhesion to polyethylene, polypropylene, and other non-porous substrates.

Joncryl[®] LMV 7031 can be used to formulate high performance inks that do not rely on press side modifications of pH with ammonium hydroxide or organic amines. It is compatible with commercially available high pH pigment dispersions and neutral pH pigment dispersions produced with Joncryl[®] LMV 7085. When used as an additive, it will impart good rub resistant properties to paper and paperboard inks.

Joncryl[®] LMV 7031 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.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheet for Joncryl[®] LMV 7031.

Important

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