

Joncryl[®] HSL 750

Product Description	Joncryl HSL 750 is a film forming, Rheology Controlled (RC), heat-seal acrylic emulsion for functional packaging coating applications.
Key Features & Benefits	<ul style="list-style-type: none">- Low heat seal activation temperature- Repulpable- Good hot tack
Chemical Composition	RC acrylic emulsion

Properties

Typical Properties	Appearance		opaque emulsion
	Non-volatile	%	50.0
	pH at 25°C		5.5
	Viscosity at 25°C	cps	< 100
	Molecular weight (Mw)		> 200,000
	Acid number (NV)		52
	Density at 25°C	g/cm ³	1.05
	MFFT	°C	< 5
	Tg	°C	4
	Freeze-thaw stable		No
	Total VOC	% wt	0.2

* These typical values should not be interpreted as specifications.

Applications

Joncryl HSL 750 is film forming, self-thickening, RC acrylic emulsion for heat-seal coatings on paper and paperboard.

Joncryl HSL 750 is recommended for applications such as:

- Functional packaging coatings for heat-seal applications

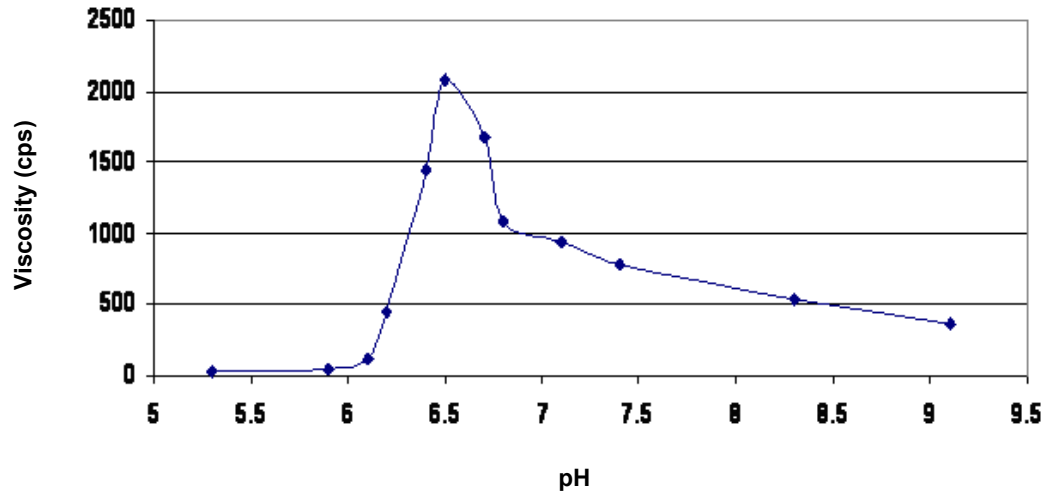
Processing

Neutralization with a fugitive base is required to provide optimal rheological and film forming properties. The addition of ammonium hydroxide will increase the viscosity. Water and ammonia should be premixed and added slowly to Joncryl HSL 750 with strong mixing. The maximum viscosity reached is at a pH of about 6.5. The viscosity can be reduced by adding small amounts of water.

Suggested pH Adjustment of Joncryl® HSL 750	
	Parts by Weight
Joncryl® HSL 750	80.0
Ammonia (28%)	2.4
Water	17.6
Total	100.0

Physical Properties	
Non-Volatile	40.0%
pH	8.85
Viscosity (Brookfield)	90 cps

Viscosity Profile of Joncryl HSL 750



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 HSL 750.

Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

Important

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