

# Functional Packaging Coatings

## Technical Data Sheet

# Joncryl® 750



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

### Properties

<b>Typical Properties</b>	Appearance	opaque emulsion
	Non-volatile at 145°C (2g, 30 min)	~ 51.0%
	pH at 25°C	~ 6.0
	Viscosity at 25°C (#1 LV, 30 rpm, 30 sec)	< 100 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	52
	Density at 25°C	1.05 g/cm <sup>3</sup>
	MFFT	< 5°C
	Tg	4°C
	Freeze-thaw stable	No
	Total VOC	0.2% wt

These typical values should not be interpreted as specifications.

### Applications

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

Joncryl® 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® 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.

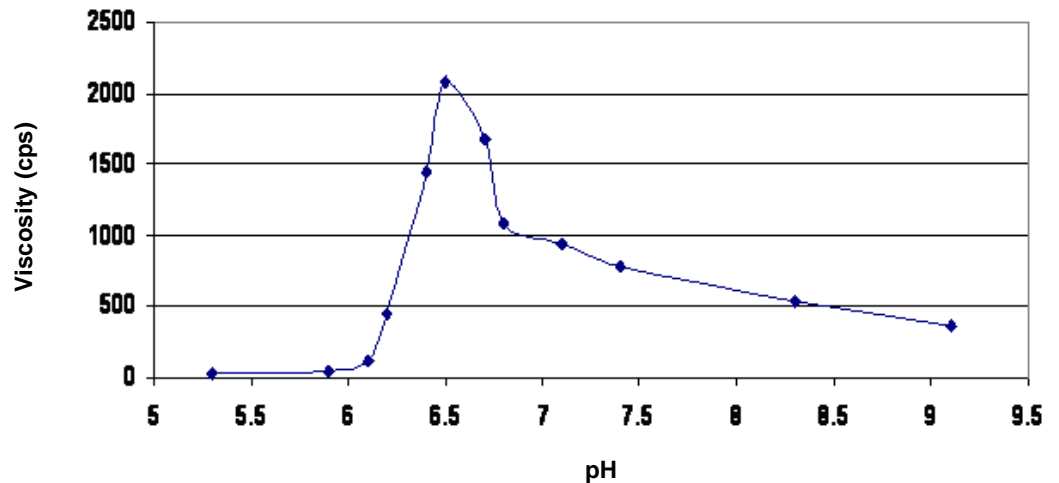
### Suggested pH Adjustment of Joncryl® 750

	<u>Parts by Weight</u>
Joncryl® 750	80.0
Ammonia (28%)	2.4
Water	<u>17.6</u>
Total	100.0

### Physical Properties

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

Viscosity Profile of Joncryl® 750



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## 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® 750.

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