

Joncryl[®] 82

Product Description	Joncryl 82 is an ultra-low VOC, styrene-free acrylic emulsion for functional packaging coating applications.
Key Features & Benefits	<ul style="list-style-type: none">- Ultra low VOC- Glycol ether and HAPS free- Styrene free- Unique resistance to water and grease
Chemical Composition	Acrylic solution

Properties

Typical Properties

Appearance		translucent emulsion
Molecular weight (Mw)		> 200,000
Non-volatile	%	39.7
pH		3.0
Acid number (NV)		59
Viscosity	cps	400
Density	g/cm ³	1.03
MFFT	°C	< 0
Tg	°C	- 10
Freeze-thaw stable		No
Total VOC	% wt	0.01

These typical values should not be interpreted as specifications.

Application

Joncryl 82 is a conventional HAPS-free acrylic emulsion made without styrene. Upon neutralization, it forms a tough water- and oil-resistant film with excellent adhesion to a wide variety of paper and polyolefin substrates. Joncryl 82 has broad utility in applications where press stability and resolubility are NOT important performance properties.

Joncryl 82 is recommended for applications such as:

- Functional packaging coating applications

Processing

Joncryl 82 requires dilution and neutralization before it can be incorporated into alkaline formulations:

- Joncryl 82 (diluted to 30% NV with water) requires approximately 0.7 parts of ammonium hydroxide (26%) per 100 parts of diluted polymer to achieve pH 7.0
- For additional stability, Joncryl 82 (diluted to 30% NV with water) can be neutralized and crosslinked with approximately 2.0 parts Zinc Oxide Solution #1 per 100 parts of diluted polymer

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 82.

Storage

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

Important

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