

Functional Packaging Coatings

Technical Data Sheet



Joncryl[®] ECO 2124

Product Description	Joncryl [®] ECO 2124 is a very soft film forming, Rheology Controlled (RC) acrylic emulsion for functional packaging coating applications.
Key Features & Benefits	<ul style="list-style-type: none">- Good adhesion and flexibility- Low odor- Glycol ether free, HAPS free- Ultra low VOC
Chemical Composition	RC acrylic emulsion

Properties

Typical Properties	Appearance	translucent emulsion
	Non-volatile at 145°C (2g, 60 min)	~ 48.0 %
	pH at 25°C	~ 8.0
	Viscosity at 25°C (#3 LV, 30 rpm, 60 sec)	~ 1,500 cps
	Molecular weight (Mw)	> 200,000
	Acid number (NV)	~ 65
	Density at 25°C	1.04 g/cm ³
	MFFT	< 0°C
	Tg	- 35°C
	Freeze-thaw stable	Yes
	Total VOC	0.1% wt
	Glycol ether level	< 0.002% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] ECO 2124 is a very soft film forming, RC acrylic emulsion that is glycol ether free and ultra-low VOC. This product is designed for use in water-based flexographic and gravure inks and displays good adhesion to polyethylene, polypropylene, and polyester films. It can also be used as a modifier in overprint varnish and paperboard ink formulations in cases where additional flexibility is required.

Joncryl[®] ECO emulsion polymers provide an 80% reduction in VOCs compared to conventional water-based polymers. They are ideal for demanding packaging applications, like confectionery and food packaging markets, which cannot tolerate solvent odor contamination.

Joncryl® ECO 2124 is recommended for applications such as:

- Overprint varnishes for packaging applications
- Functional packaging coatings for heat-seal, pre-metallization, or film/foil 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.

Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Joncryl® ECO 2124.

Important

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