

Printing & Packaging

Technical Data Sheet

Joncryl® 50



Product Description	Joncryl® 50 is a low VOC solution of Joncryl® 682, a very low molecular weight acrylic resin for overprint varnish applications.
Key Features & Benefits	- <i>Excellent clarity</i> - <i>High gloss and holdout</i> - <i>Low VOC</i>
Chemical Composition	Styrene acrylic resin solution

Properties

Typical Properties	Appearance	clear amber liquid
	Non-volatile at 145°C (2g, 60 minutes)	~ 51.5%
	pH at 25°C	~ 8.7
	Viscosity at 25°C (Brookfield #3LV, 12 rpm, 60 seconds)	~ 7,000 cps
Typical Characteristics	Appearance	clear amber liquid
	Molecular weight (Mw)	1,700
	Non-volatile	~ 50%
	pH	~ 8.4
	Acid number (NV)	~ 238
	Viscosity at 25°C (Brookfield #3LV, 12 rpm)	~ 5,000 cps
	Density at 25°C	1.11 g/cm ³
	Softening point (ring and ball)	105°C
	MFFT	< 5°C
	Tg	56°C
	Freeze-thaw stable	Yes
Total VOC	0.2% wt	

These typical values should not be interpreted as specifications.

Applications

Joncryl® 50 is a 50% solids solution of Joncryl® 682, an acrylic resin in water and ammonia. It is designed to allow the formulation of low Volatile Organic Compounds (VOC), high solids overprint varnishes with high gloss and excellent holdout.

Joncryl® 50 is recommended for applications such as:

- Overprint varnishes for commercial, publication, or packaging 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® 50.

Important

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