

Joncryl® 585

Product Description	Joncryl 585 is a heat-resistant, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications.
Key Features & Benefits	<ul style="list-style-type: none">- High heat resistance and release properties- High gloss- Adhesion to polyolefin films
Chemical Composition	Styrene acrylic resin emulsion

Properties

Typical Properties	Appearance		translucent emulsion
	Non-volatile	%	44.0
	pH at 25°C		9.1
	Viscosity at 25°C	cps	300
	Molecular weight (Mw)		> 200,000
	Acid number (NV)		30
	Density at 25°C	g/cm ³	1.07
	MFFT	°C	< 7
	Tg	°C	- 20
	Freeze-thaw stable		Yes
	Total VOC	% wt	2.0

These typical values should not be interpreted as specifications.

Applications

Joncryl 585 is a film forming, RC acrylic emulsion that exhibits excellent heat-resistant characteristics along with high gloss. It also has adhesion to treated flexible films and foils.

Joncryl 585 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- Overprint varnishes for packaging applications

Processing

Rub and scuff resistance can be improved with the addition of Joncryl Wax 26 without a significant loss in gloss (working range is 1 – 3%).

The heat resistance of films formulated with Joncryl 585 can be improved up to 50°F with the addition of Zinc Oxide Solution #1. However, too much may cause reduced gloss or gelling of the vehicle (working range is 1 – 5%).

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 585.

Storage

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

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BASF Corporation

Dispersions and Resins

11501 Steele Creek Road

Charlotte, North Carolina 28273

Phone: (800) 251 – 0612

Email: CustCare-Charlotte@basf.com

www.basf.us/dpsolutions