Industrial Coatings

Technical Data Sheet

Joncryl® 90-A

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Product Description **Joncryl® 90-A is a high gloss, non-film forming, Rheology Controlled (RC) acrylic emulsion for overprint varnish applications.**

Key Features & Benefits

- Excellent optical clarity
- High gloss and holdout
- Zinc oxide stability

Chemical Composition **RC acrylic emulsion**

Properties

Typical Properties

Appearance	semi-translucent emulsion
Non-volatile at 145°C (2g, 60 minutes)	~ 44.0 %
pH at 25°C	~ 8.4
Viscosity at 25°C (Brookfield #2LV, 30 rpm, 30 seconds)	~ 200 – 300 cps

Typical Characteristics

Appearance	semi-translucent emulsion
Molecular weight (Mw)	> 200,000
Non-volatile	44%
pH	8.3
Acid number (NV)	76
Viscosity at 25°C (Brookfield #2LV, 30 rpm)	250 cps
Density at 25°C	1.05 g/cm³
MFFT	84°C
Tg	100°C
Freeze-thaw stable	Yes
Total VOC	0.8% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl® 90-A is a non-film forming RC acrylic emulsion that provides high gloss and optical properties to overprint varnish formulations.

Zinc ammonium carbonate, Zinc Oxide Solution #1, can be added to formulations based on Joncryl® 90-A to enhance heat seal and film release properties.

Joncryl® 90-A 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.

Material Safety Data Sheet All safety information is provided in the Material Safety Data Sheet for Joncryl® 90-A.

Important

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U.S & Canada
BASF Corporation
24710 W Eleven Mile Road
Southfield, MI 48033
ph: 800-962-7829
fax: 800-971-1123
Email: polyorders@basf.com
Email: edtech_info@basf.com
www.basf.us/dpsolutions

Mexico
BASF Mexicana, S.A. de C.V.
Av. Insurgentes Sur # 975
Col. Ciudad de los Deportes
C.P. 03710
Mexico, D.F.
Phone: (52-55) 5325-2756
Fax: (52-55) 5723-3011