Printing & Packaging

Technical Data Sheet

Joncryl® 1670

BASF
The Chemical Company

Product Description

Joncryl® 1670 is a cost-effective, soft film forming, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications.

Key Features & Benefits

- Good rub resistance
- High slide angle
- Cost effective

Chemical Composition

RC acrylic emulsion

Properties

Product Specifications

Appearance	translucent emulsion
Non-volatile at 145°C (2g, 30 min)	46.5 – 48.0%
pH at 25 ± 1°C	7.3 – 8.3
Viscosity at 25 ± 0.2°C (#3 LV, 30 rpm, 30 sec)	1,200 – 2,800 cps

Typical Characteristics

Appearance	translucent emulsion
Molecular weight (Mw)	> 200,000
Non-volatile	47.0%
pH	7.6
Acid number (NV)	57
Viscosity at 25°C (Brookfield #3 LVF spindle, 30 rpm)	2,000 cps
Density at 25°C	1.05 g/cm³
MFFT	< 5°C
Tg	- 4°C
Total VOC	0.1% wt

These typical values should not be interpreted as specifications.

Applications

Joncryl® 1670 is a soft film forming, RC acrylic emulsion that provides excellent rub, water, and grease resistance to ink and overprint varnish applications. Additionally, it allows the manufacture of high slide angle coatings for folding carton and multi-wall bag applications.

Joncryl® 1670 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- 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® 1670.

Important

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