Printing & Packaging

Technical Data Sheet

Joncryl® 585

We create chemistry

Product Description

Joncryl® 585 is a heat-resistant, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications.

Key Features & Benefits

- 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 at 145°C (2g, 30 min)	~ 46.0%
pH at 25°C	~ 9.4
Viscosity at 25°C (#2 LV, 60 rpm, 30 sec)	~ 400 cps
Molecular weight (Mw)	> 200,000
Acid number (NV)	30
Density at 25°C	1.07 g/cm³
Flash point	54°C
MFFT	< 7°C
Tg	- 20°C
Freeze-thaw stable	Yes
Total VOC	2.0% wt

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.

Important

While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, they are provided for guidance only. Because many factors may affect processing or application/use, BASF recommends that the reader make tests to determine the suitability of a product for a particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESCRIPTIONS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS.** In no case shall the descriptions, information, data or designs provided be considered a part of BASF's terms and conditions of sale. Further, the descriptions, designs, data, and information furnished by BASF hereunder are given gratis and BASF assumes no obligation or liability for the descriptions, designs, data or information given or results obtained all such being given and accepted at the reader's risk.

Responsible Care®
Good Chemistry at Work

BASF Corporation is fully committed to the Responsible Care® initiative in the USA, Canada, and Mexico.
For more information on Responsible Care® go to:
U.S.: www.basf.us/responsiblecare_usa
Canada: www.basf.us/responsiblecare_canada
México: www.basf.us/responsiblecare_mexico

U.S & Canada
BASF Corporation
24710 W Eleven Mile Road
Southfield, MI 48033
ph: 1(800) 231-7868
fax:1(800) 392-7429
Email: Custserv_charlotte@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