

Printing & Packaging Industrial Coatings Functional Packaging Coatings

Technical Data Sheet

Joncryl[®] Wax 120



Product Description	Joncryl [®] Wax 120 is a paraffin/polyethylene wax emulsion for overprint varnish, industrial coating, and functional packaging coating applications.
Key Features & Benefits	<ul style="list-style-type: none">- Water shedding- Low VOC and coefficient of friction (COF)- FDA* acceptability
Chemical Composition	Paraffin/polyethylene wax emulsion <i>*The FDA status is available upon request from the contact information provided below.</i>

Properties

Product Specifications	Appearance	tan liquid
	Non-volatile at 145°C (2g, 30 min)	33.0 – 35.0%
	pH at 25°C	8.4 – 9.6
	Viscosity (#2 LV, 30 rpm, 30 sec)	100 – 700 cps
Typical Characteristics	Appearance	tan liquid
	Non-volatile	34%
	pH	9.0
	Viscosity at 25°C (Brookfield #2 LVF spindle, 30 rpm)	400 cps
	Average Particle Size	0.08 µm
	Density at 25°C	0.98 g/cm ³
	Melting Point	56°C
	Freeze-thaw stable	No
Total VOC	< 0.005% wt	

These typical values should not be interpreted as specifications.

Applications

Joncryl[®] Wax 120 is a small particle size, very low VOC paraffin/polyethylene wax emulsion designed for water shedding, heat release, and low COF with FDA acceptability. It combines the film forming and water shedding characteristics of paraffin wax with the durability and broad compatibility of polyethylene wax.

Joncryl[®] Wax 120 is recommended for applications such as:

- Overprint varnishes for commercial or publication applications
- Functional packaging coating applications
- Interior/exterior general metal coating applications
- Interior/exterior wood coatings for millwork applications

Processing	Joncryl [®] Wax 120 will separate upon aging and must be agitated to uniformity before each use. Failure to follow this procedure will result in unpredictable finished product performance. Inks and coatings containing this product may require "agitate before use" instructions.
-------------------	--

Joncryl® Wax 120 can result in finished products that are totally impervious to penetration by many conventional adhesive and coating products. Care should be exercised to determine glue-ability and recoat properties of finished formulations and combining this product with other products. Different orders of addition should be evaluated to avoid the possibility of wax kick-out.

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® Wax 120.

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.

Joncryl is a registered trademark of BASF Group.

© BASF Corporation, 2012



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