

Joncryn[®] ECO 2177

General

Joncryn[®] ECO 2177 is a hard, film forming, glycol ether-free⁽¹⁾, Rheology Controlled (RC) acrylic emulsion for printing ink and overprint varnish applications

Key features & benefits

ultra low VOC⁽²⁾

HAP solvent free

low odor

Chemical composition

RC acrylic emulsion

⁽¹⁾ The glycol ether level in this product averages less than 0.002 weight percent.

⁽²⁾ The Volatile Organic Compounds (VOC) for this product are below the gas chromatography detection of 0.005 weight percent.

Properties

Appearance

translucent emulsion

Typical characteristics

(should not be interpreted as specifications)

Non-volatile at 145°C (2g, 60 min)	~ 46.0%
pH at 25°C	~ 8.2
Viscosity at 25°C (#2 LV, 30 rpm, 30 sec)	~ 500 cps
Molecular weight (Mw)	>200,000
Acid number (NV)	55
density at 25°C	1.05 g/cm ³
MFFT	11°C
Tg	21°C
freeze-thaw stable	Yes
total VOC	<0.1% wt

Application

Joncryn[®] ECO 2177 is a hard, film forming, RC acrylic emulsion that is glycol ether free and is ultra-low VOC. It provides rub and block resistant and adhesion to ink and overprint varnish formulations.

Joncryn[®] ECO 2177 is recommended for applications such as:

- Printing inks for flexographic or gravure applications
- Overprint varnishes for packaging, commercial, or publication applications

Joncryl® ECO polymers allow the formulator to develop ultra low VOC, glycol ether-free products to meet stringent industry standards. These polymers provide an 80% reduction in VOC compared to conventional water-based polymers. They are ideal for demanding packaging applications like confectionary or tobacco markets that cannot tolerate solvent odor contamination. Additionally, the excellent compatibility and printability of Joncryl® ECO polymers makes them an ideal system for next generation printing inks and overprint varnishes.

Joncryl® ECO 2177 TDS EN (10-2019)

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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