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We create chemistry

Joncryl[®] DFC food contact polymers for ink and OPV

Supported by Food Contact Notifications for paper, board and film packaging

Performance

- Flexibility, adhesion and block resistance
- High gloss, clarity and printability
- Water barrier and oil resistance
- Low VOC for food packaging

Applications

- Main binders in ink and overprint varnish (OPV) for food contact packaging
- Use on paper, board and film substrates
- Contact with food except with extended shelf storage after cooking in the package



Industry

- Ink, overprint varnish and functional packaging coating for food packaging

Joncryl® DFC

Resin solution and acrylic emulsions

Joncryl DFC products are food contact compliant for use in printing ink, overprint varnish and functional packaging coating applications.

Joncryl DFC products may be combined and/or formulated with other ingredients to tailor performance properties for a variety of end-use applications. Based on extraction, migration and exposure data, Food Contact Notifications 130, 231, and 336 support the use of Joncryl DFC products in direct food contact applications.

| | Description | Viscosity cps @ 25°C | pH | MFFT °C | NVC % |
|------------------|-----------------------------|-------------------------|-----|------------|----------|
| Joncryl DFC 3025 | Resin solution | 5,500 | 9.0 | 95 | 35.4 |
| Joncryl DFC 3030 | Soft, film-forming emulsion | 1,800 | 8.3 | -27 | 48.0 |
| Joncryl DFC 3040 | Hard, film-forming emulsion | 800 | 8.6 | 21 | 47.0 |
| Joncryl DFC 3050 | Non-film-forming emulsion | 1,000 | 8.5 | 99 | 48.6 |

Physical properties listed are not specifications

| | Resolubility | Gloss | Adhesion | OGR* |
|------------------|--------------|-------|----------|------|
| Joncryl DFC 3025 | ■■■ | ■■ | ■■ | ■ |
| Joncryl DFC 3030 | ■■ | ■■■ | ■■■ | ■■■ |
| Joncryl DFC 3040 | ■ | ■■ | ■■ | ■■ |
| Joncryl DFC 3050 | ■ | ■■■ | ■ | ■■ |

OGR = Oil & Grease Resistance

■■■ Excellent

■■ Very Good

■ Good

Application Highlights

- Good water and oil resistance
- Flexibility, adhesion and gloss
- Very low VOC
- Direct food contact ink, overprint varnish and functional packaging coating

Contacts

Please contact our technical service department for more help on formulating with products from the Joncryl DFC product line.

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