

Laropal[®] 863 M

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| Product description | Ready-to-use solution of Laropal [®] A 81, a universal grinding resin for solvent-based pigment pastes/preparations. |
| Chemical nature | Condensation product of urea and aliphatic aldehydes, dissolved in 2-Methoxy1-methylethyl acetate |

Properties

Physical form Liquid / Solution

| | | | |
|---|----------------------------|-------------------------------------|-------------------|
| Technical data (not supply specification) | Color number | DIN ISO 6271 | ≤ 100 |
| | Viscosity, dynamic | DIN EN ISO 3219 (23 °C, 25 1/s) | 800 – 2,000 mPa.s |
| | Non-volatile content | DIN EN ISO 3251 (30 min, 140 °C) | 61.5 – 65.5 % |
| | Hydroxyl value (on solids) | | ~ 20 mg KOH/g |

Compatibility

| | Laropal® 863 M |
|------------------------------|-----------------------|
| Cellulose nitrate | ● |
| Ethyl cellulose | ◐ |
| Cellulose acetobutyrate | ● |
| Chlorinated rubber | ● |
| VC copolymers | ● |
| Acrylic resins | ● |
| Urea-formaldehyde resins | ● |
| Melamine-formaldehyde resins | ● |
| Alkyd resins | ● |
| Epoxy resins | ● |
| Hydrocarbon resins | ● |

● compatible
 ◐ limited compatibility

Properties

| | Laropal® 863 M |
|---|-----------------------|
| Brightness | 1 |
| Fastness to light | 1 |
| Heat resistance | 1 |
| Compatibility | 1 |
| Miscible with alcohols | 1 |
| Miscible with aliphatic hydrocarbons | 3 |
| Suitable for coatings resistant to water | 3 |
| Suitable for coatings resistant to mineral oils | 2 |
| Suitable for coatings resistant to saponification | 3 |
| Solvent release | 3 |
| Pigment binding capacity | 1 |

1 Very good
 5 Insufficient

Application

Because of its excellent compatibility, Laropal® 863 M can be used in many types of coating formulations. Depending on the application, Laropal® 863 M improves gloss, hardness, body, adhesion and resistance to yellowing.

Because of its good pigment wetting and low solution viscosity, it can be used for the manufacture of pigment pastes with high pigment content.

Fields of application

Alkyd resins, air- and oven-drying

- Partial replacement of up to 20 % solids on solids
- Improvement of resistance to yellowing through excellent heat stability and fastness to light
- Improvement of hardness, gloss, body and flow
- Cost reduction
- Use as modifying component in alkyd resin production

Universal pigment pastes

- Very well suitable as grinding resin because of broad compatibility and universal solubility, low solution viscosity, high pigment binding capacity and transparency

Storage

The ideal temperature range for storage is 10 – 30 °C and under airtight conditions (exclusion of humidity).

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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