

DEUREX® TO 83 G

TECHNICAL INFORMATION

Chemical description: Oxidized Fischer-Tropsch-wax

Benefits: - Hard and scratch-resistant wax with a hydrophilic character

Applications: Production of water-based emulsions and dispersions for:

- Textile industry (improved sewability and cutting of textiles)
- Care products (hydrophobing, gloss, hardness)
- Water-based coatings (slip, abrasion and scratch resistance)
- Water-based printing inks (slip, abrasion and scratch resistance)
- Paper industry (hydrophobing, tensile strength, stability)
- Polishes (surface improvement)
- Leather (surface improvement, hydrophobing)
- Anti-corrosive agent

Technical data: Colour: Off-white
Delivery form: **DEUREX TO 83 G** = Granules

| | Minimum | Maximum | Method |
|-----------------------|------------------------|-------------------------|---------------------------|
| Drop point: | 101 °C | 110 °C | LV 12 (DGF M-III 3) |
| Acid value*: | 25 mgKOH/g | 35 mgKOH/g | DIN EN ISO 2114 |
| Saponification value: | 50 mgKOH/g | 80 mgKOH/g | DIN EN ISO 2114 |
| Viscosity (140 °C): | | 20 mPas | LV 2 (DIN EN ISO3104) |
| Penetration: | | 4.0 mm*10 ⁻¹ | LV 4 (DIN 51579) |
| Density (23 °C): | 0.94 g/cm ³ | 0.95 g/cm ³ | LV 3 (DIN EN ISO 1183) |

* Part of certificate of analysis

Alternative delivery forms: **DEUREX® TO 8120 M** – Micronized powder, 98% < 20 µm
DEUREX® TO 8201 W – Oxidized Fischer-Tropsch-wax emulsion, 98 % < 1 µm

Alternative products: **DEUREX® TO 80 G** – Oxidized Fischer-Tropsch-wax with acid value 2 – 4
DEUREX® TO 81 G – Oxidized Fischer-Tropsch-wax with acid value 5 – 10
DEUREX® TO 82 G – Oxidized Fischer-Tropsch-wax with acid value 15 – 20
DEUREX® TO 84 G – Oxidized Fischer-Tropsch-wax with acid value 35 - 45

This data sheet is based on our current knowledge and experience. In view of the individual factors that may affect processing and application, this data does not relieve users from the responsibility of carrying out their own tests and experiments, neither do they imply any legally binding assurance of certain properties. Existing industrial/commercial protective laws have to be considered by the recipient. Updated versions of the data sheet replace all formerly existing versions.
® - registered trademark by DEUREX