

DEUREX® TO 81 G

TECHNICAL INFORMATION

- Chemical description:** Oxidized Fischer-Tropsch-wax
- Benefits:**
- Extremely 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
- Hot melts
- Shortening the open time, increased adhesion, no stringing
 - Reduced amount of bonding agents
- Masterbatch
- Dispersing agent for hydrophilic pigments

Technical data:

Colour: Off-white
Delivery form: **DEUREX TO 81 G** = Granules

	Minimum	Maximum	Method
Drop point*:	113 °C	118 °C	LV 12 (DGF M-III 3)
Acid value*:	5 mgKOH/g	10 mgKOH/g	DIN EN ISO 2114
Saponification value:	10 mgKOH/g	20 mgKOH/g	DIN EN ISO 2114
Viscosity (140 °C):		20 mPas	LV 2 (DIN EN ISO3104)
Penetration:		1.0 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 82 G – Oxidized Fischer-Tropsch-wax with acid value 15 – 20
DEUREX® TO 83 G – Oxidized Fischer-Tropsch-wax with acid value 25 – 35
DEUREX® TO 84 G – Oxidized Fischer-Tropsch-wax with acid value 35 - 45

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