

## DEUREX® TO 82

### 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

PVC processing

- Increase viscosity
- Faster gelling
- Improved compatibility
- Perfect external lubricant and internal lubricant in one
- No metal adhesion
- Mould release 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 82** = Broken coarse granules

	Minimum	Maximum	Method
Congealing point*:	94 °C	100 °C	LV 12 (DGF M-III 3)
Acid value*:	15 mgKOH/g	20 mgKOH/g	DIN EN ISO 2114
Saponification value:	30 mgKOH/g	50 mgKOH/g	DIN EN ISO 2114
Viscosity (140 °C):		20 mPas	LV 2 (DIN EN ISO3104)
Penetration:		2.0 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Density (23 °C):	0.94 g/cm <sup>3</sup>	0.95 g/cm <sup>3</sup>	LV 3 (DIN EN ISO 1183)

\* Part of certificate of analysis

**Alternative delivery forms:**

**DEUREX® TO 8120 M** – Micro-sized powder, 98% < 20 µm

**Alternative product:**

**DEUREX® TO 80** – Oxidized Fischer-Tropsch-wax with acid value 2 – 4  
**DEUREX® TO 81** – Oxidized Fischer-Tropsch-wax with acid value 5 – 10  
**DEUREX® TO 83** – Oxidized Fischer-Tropsch-wax with acid value 25 – 30  
**DEUREX® TO 84** – Oxidized Fischer-Tropsch-wax with acid value 30 – 40

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