

DEUREX® TO 83

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, cold applications

Technical data:

Colour: Off-white
Delivery form: **DEUREX TO 83** = Broken coarse granules

	Minimum	Maximum	Method
Congealing point*:	93 °C	98 °C	LV 12 (DGF M-III 3)
Acid value*:	25 mgKOH/g	30 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:		3.0 mm*10 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.94 g/cm³	0.95 g/cm³	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 82 – Oxidized Fischer-Tropsch-wax with acid value 15 – 20
DEUREX® TO 84 – Oxidized Fischer-Tropsch-wax with acid value 30 – 40

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