

DEUREX® TO 8120 M

TECHNICAL INFORMATION

- Chemical description:** Micronized oxidized Fischer-Tropsch-wax
- Production process:** Air classification process
- Applications:** Water-based paints and coatings
Water-based printing inks
- Properties:**
- Very hard and hydrophilic
 - Improved slip and antiblocking
 - Hydrophilic character, easy to disperse with low amount of emulsifiers in water-based system
 - Excellent wear, abrasion and scratch resistance
- Benefits:**
- Reduction of emulsifier dose thanks to hydrophilic character
 - Guaranteed maximum particle size and constant and narrow particle size distribution
 - Easily dispersible without lump or coagulate formation

Technical data: Colour: Off-white
Delivery form: **DEUREX® TO 8120 M** = Micronized powder

	Minimum	Maximum	Method
Particle size*: Typical value:		98 % < 20 µm 50 % ~ 8 µm	LV 5 (DIN ISO 13320)
Drop point*	113 °C	118 °C	LV 12 (DGF M-III 3)
Acid value:	5 mgKOH/g	10 mgKOH/g	DIN EN ISO 2114
Penetration:		1 mm*10 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.94 g/cm³	0.95 g/cm³	LV 3 (DIN ISO 1183)

* Part of certificate of analysis

Alternative delivery forms: **DEUREX® TO 81 G** – Granules
DEUREX® T 3920 M – Micronized hydrophobic FT-wax, 98% < 20 µm
DEUREX® T 3908 W – Water-based hydrophobic FT-wax dispersion

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