

## DEUREX® T 3920 M

### TECHNICAL INFORMATION

- Chemical description:** Micronized Fischer-Tropsch wax
- Production process:** Air classification process
- Applications:**
- Paints and coatings
  - Powder coatings, can coatings, industrial and wood coatings
  - Printing inks
  - Gravure, flexo and overprinting inks
  - Masterbatch
- Properties:**
- Very hard wax
  - Excellent abrasion and scratch resistance
  - Very good chemical and weather resistance
  - Improved UV-resistance and anti-blocking properties
- Benefits:**
- Guaranteed maximum particle size and constant and narrow particle size distribution
  - Easily dispersible without lump or coagulate formation
  - Easy to disperse without heating
  - Avoid high temperatures over 50°C

**Technical data:** Colour: White  
Delivery form: **DEUREX® T 3920 M** = Micronized powder

	Minimum	Maximum	Method
Particle size*:		98 % < 20 µm	LV 5 (DIN ISO 13320)
Typical value:		50 % ~ 8 µm	
Drop point*	110 °C	120 °C	LV 12 (DGF M-III 3)
Penetration:		2 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 ISO 1183)

\* Part of certificate of analysis

**Approvals:** EU: Regulation (EU) 10/2011 dated 14th January 2011 – Ref.-No.: 80000  
BRD: BfR recommendation XXV  
USA: FDA 21 CFR §§ 175.105; 175.250; 175.300; 175.320; 176.170; 176.180; 177.1200; 177.1390  
(Approvals with regard to limitations and migration values in the final application)

**Alternative delivery forms:** **DEUREX® T 39 K** – Fine granules  
**DEUREX® T 39 A** – Finest powder, 98% < 150 µm  
**DEUREX® T 3915 M** – Micronized powder, 98% < 15 µm  
**DEUREX® T 3908 W** – Water-based dispersion, 98% < 8 µm  
**DEUREX® T 3912 O** – Oil-based dispersion, 98% < 12 µm  
**DEUREX® TO 8120 M** – Hydrophilic oxidized FT-wax, 98% < 20 µm

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.  
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