

## DEUREX® X 52 G

### TECHNICAL INFORMATION

- Chemical description:** Bio-based sugar cane wax
- Benefits:**
- Natural wax from renewable raw materials with a very attractive price-performance ratio
  - Replacement of previously used fossil wax products in many applications
  - No seasonal fluctuations in availability (as carnauba or montana)
- Properties:**
- 100% Bio based wax (DIN EN 16640)
  - Compostable according to DIN EN 13432
  - Dust free
- Application:**
- Raw material for production of emulsions for paints and coatings
- Matting agent
  - Grip
  - Increased scratch resistance
- PVC
- Internal and external lubricant for BIO-PVC
- Masterbatch
- Dispersing agents for Bio-Plastics (z.B. PHA und PLA)
- Printing inks
- Improved scratch resistance
- Fertilizer industry
- Coating of fertilizers, natural retarding agent
  - Anti-caking agent
- BIO Hot melts
- Adjustment of open time
  - Improved adhesion, no stringing

**Technical data:**

Colour:	Amber		
Delivery forms:	DEUREX® X 52 G = Granules		
	Minimum	Maximum	Method
Drop point*:	78 °C	82 °C	LV 12 (DGF M-III 3)
Acid value:	20 mg/KOH/g	30 mg/KOH/g	DIN EN ISO 2114
Viscosity (140 °C):	40 mPas		LV 2 (DIN EN ISO3104)
Penetration:	3.0 mm*10 <sup>-1</sup>	7.0 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Density (23 °C):	0.80 g/cm <sup>3</sup>	0.85 g/cm <sup>3</sup>	LV 3 (DIN EN ISO 1183)

\* Part of certificate of analysis  
Sugar cane waxes are natural products. Physical properties are subject to slight variations.

**Approvals:**

FDA Status/Regulation: GRAS - Generally recognized as safe (USA).  
INCI (International Nomenclature Cosmetic Ingredients): Saccharum officinarum cera.  
USA: FDA 21 CFR §§ 174.5, 175.105, 175.300, 175.320, 176.170, 177.1200, 177.1550  
(Approvals with regard to limitations and migration values in the final application)

**Alternative delivery forms:**

DEUREX® X 5217 M – Micronized powder, 98% < 17 µm