

DEUREX® X 52

TECHNICAL INFORMATION

- Chemical description:** 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)
 - Biodegradable according to EN 13432
- Properties:** It is a wax with high hardness which is easy to emulsify and grindable; it offers good retention and it is physiologically harmless.
- Application:**
- Sustainable formulations
- BIO plastics, BIO paints and coatings, BIO lubricants, BIO hot melts, BIO care products
- Coatings and powder coatings
- Matting agent
 - Grip
 - Increased scratch resistance
- Plastics, PVC and Masterbatches
- Internal and external lubricant
- Printing inks
- Improved scratch resistance
 - Processing aid
- Fertilizer industry
- Coating of fertilizers, natural retarding agent
 - Alternative to synthetic polymers
- Hot melts
- Adjustment of open time
 - Improved adhesion, no stringing

Technical data:

Colour: Brown
 Delivery forms: **DEUREX® X 52 G** = Granules
DEUREX® X 52 P = Powder

	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:	1.0 mm*10 ⁻¹	3.0 mm*10 ⁻¹	LV 4 (DIN 51579)
Density (23 °C):	0.80 g/cm ³	0.85 g/cm ³	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 – Micro-sized powder, < 17 µm
DEUREX® X 5201 W – Water-based emulsion of sugar cane wax

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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