

DEUREX® X 5520 M

TECHNICAL INFORMATION

Chemical description:	Carnauba-bio-based and micronized wax additive		
Production process:	Air classification process		
Benefits:	<ul style="list-style-type: none"> - Application as food additive for the direct contact with food - Free-flowing powder can be stirred in directly - No need for the expensive manufacturing of wax dispersions or the purchase of expensive dispersions - A raw material for water-based, oil-based and solvent-based (i.e. butyl glycol, isopropanol, naphtha, ethanol) systems 		
Applications:	<ul style="list-style-type: none"> - Can and coil coatings - Food colourings and printing inks that come into direct contact with food - Coatings, varnishes and coating materials that come into direct contact with food - Printing inks 		
Properties:	<ul style="list-style-type: none"> - Increased abrasion resistance - Improved slip - High gloss - Free-flowing powder, very easy to dose and to mix in - With 98% < 20 µm significantly finer than conventional waxes - Improved weather resistance (H₂O, UV, ozone, coldness) 		
Technical data:	Colour:	Light yellow	
	Delivery forms:	DEUREX® X 5520 M = Micronized powder	
		Minimum	Maximum
	Particle size*:	98 % < 20 µm	
	Typical particle size:	50 % ~ 8 µm	
	Drop Point**:	81 °C	90 °C
	Penetration:	1 mm*10 ⁻¹	
	Acid value:	2 mgKOH/g	7 mgKOH/g
			Method
			LV 5 (DIN ISO 13320)
			LV 12 (DGF M-III 3)
			LV 4 (DIN 51579)
			DIN EN ISO 2114
	* Part of certificate of analysis		
Approvals:	All the components contained in X 5520 M match with the list of food additives 'other substances' (state Jan. 2015), including all clarifications, applications and maximum quantities.		
Alternative delivery form:	DEUREX® X 55 G – Granules DEUREX® X 5505 W – Water-based dispersion, 98% < 5 µm DEUREX® S 5519 M – Carnauba-bio-based wax, coated with silica, 98% < 19 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.
® - registered trademark by DEUREX