

## **DEUREX® A 2035 M**

**TECHNICAL INFORMATION** 

Chemical description: Biobased Ethylen-Bis-Stearamid wax (EBS), atomized

**Applications:** - Powder metallurgy

Properties: - Internal lubricant

- Release agent for metal die casting

Processing aids

- Free flowing, fast flow time

- Excellent lubrication anti-blocking properties

- Zink free, cero ash

**Benefits:** - No discolouration and no soot formation during the sintering process

- Clean burn-off, lubricant burns soot-free

- Good release properties in injection moulding applications

- Greater surface

Technical data: Colour: White

Delivery forms: **DEUREX® A 2035 M** = Micronized powder

	Minimum	Maximum	Method
Particle size*: Typical value:		98 % < 35 μm 50 % < 7 μm	LV 05 (DIN ISO 13320)
Drop point*:	142 °C	151 °C	LV 12 (DGF M-III 3)
Acid value*:		10 mgKOH/g	DIN EN ISO 2114
Viscosity (140 °C):		20 mPas	LV 2 (DIN EN ISO3104)
Penetration:	1 mm*10 <sup>-1</sup>	3 mm*10 <sup>-1</sup>	LV 4 (DIN 51579)
Apparent density:	2,75 g/cm <sup>3</sup>		AD, Hall
Flow time:	36 sec.		Hall
Green denstiy:	7,11 g/cm <sup>3</sup>		
Springback:	0,20 %		70°C

Standard iron powder with 0.7% Lubricant according to DEUREX® method

Approvals: EU: Regulation (EU) 10/2011

USA: FDA 21 CFR §§ 175.105, 175.300, 176.170, 177.1200, 177.2470, 177.2480

(Approvals with regard to limitations and migration values in the final application)

Alternative Produkte: DEUREX® A 2050 M – Biobased Ethylen-Bis-Stearamid wax (EBS), micronized

**DEUREX**® **H 7480 M** – Powder mixture for excellent lubrication

**DEUREX® H 9790 M** – High performance lubricant

BIOMER® 130 M – Biodegradable Ethylen-Bis-Stearamid wax (EBS)

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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Revision: