

DEUREX® A 2050 M

TECHNICAL INFORMATION

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

Technical data:

Colour: White
Delivery forms: **DEUREX® A 2050 M** = Micronized powder

	Minimum	Maximum	Method
Particle size*:		98 % < 50 µm	LV 05 (DIN ISO 13320)
Typical value:		50 % < 13 µm	
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 ⁻¹	3 mm*10 ⁻¹	LV 4 (DIN 51579)
Apparent density:	2,81 g/cm ³		AD, Hall
Flow time:	35 sec.		Hall
Green denstiy:	7,11 g/cm ³		
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 2035 M** – Biobased Ethylen-Bis-Stearamid wax (EBS), atomized
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)