

## DEUREX<sup>®</sup> A 2050 M

	TECHNICAL INFORM	TECHNICAL INFORMATION			
Chemical description:	Biobased Ethylen-Bis-	Biobased Ethylen-Bis-Stearamid wax (EBS), micronized			
Applications:	- Powder metallurgy	Powder metallurgy			
Properties:	<ul> <li>Processing aids</li> <li>Free flowing, fast flow</li> </ul>	<ul> <li>Release agent for metal die casting</li> <li>Processing aids</li> <li>Free flowing, fast flow time</li> <li>Excellent lubrication anti-blocking properties</li> </ul>			
Benefits:	<ul> <li>Clean burn-off, lubrica</li> </ul>	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: Delivery forms:	White <b>DEUREX<sup>®</sup> A 2050 M</b> = Micronized powder			
		Minimum	Maximum	Method	
	Particle size*: Typical value:		98 % < 50 μm 50 % < 13 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:	2,81 g/cm <sup>3</sup>		AD, Hall	
	Flow time:	35 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:	USA: FDA 21 CFR §§	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 <sup>®</sup> H 7480 M · DEUREX <sup>®</sup> H 9790 M ·	DEUREX <sup>®</sup> A 2035 M – Biobased Ethylen-Bis-Stearamid wax (EBS), atomized DEUREX <sup>®</sup> H 7480 M – Powder mixture for excellent lubrication DEUREX <sup>®</sup> H 9790 M – High performance lubricant BIOMER <sup>®</sup> 130 M – Biodegradable Ethylen-Bis-Stearamid wax (EBS)			

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