

DEUREX[®] H 9790 M

TECHNICAL INFORMATION

- Chemical description:** High performance lubricant
- Applications:**
- Powder metallurgy
- Properties:**
- Excellent lubrication anti-blocking properties
 - Improves pressing and sintering process
 - Free flowing, low flow time
 - Easy part removal from the die, reduced part distortion
 - Zink free, cero ash
- Production:**
- Antiblock is coated to the warm lubricant during production.
 - Antiblock adheres on the surface of the wax
- Benefits:**
- Low tendency to fouling and staining after sintering
 - Good release properties in injection moulding applications
 - Lubrication is ameliorated up to 20% compared to a standard premix
 - Clean burn off, lubricant burns soot-free
 - Clean part surfaces and no residues occur in the oven
 - Suitable for warm compaction
 - Low tool wear
 - Improved pressability
 - Reduction of the discharge pressure
 - Increase the green strength and stability of the finished products

Technical data: Colour: White
Delivery forms: **DEUREX[®] H 9790 M** = Micronized powder

	Average value	Method
Particle size*:	98 % < 90 µm	LV 05 (DIN ISO 13320)
Typical value:	50 % < 15 µm	
Apparent density:	2,95 g/cm ³	AD, Hall
Flow time:	32 sec.	Hall
Green density:	7,31 g/cm ³	
Springback:	0,19 %	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 products: **DEUREX[®] A 2035 M** – Biobased Ethylen-Bis-Stearamid wax (EBS), atomized
DEUREX[®] A 2050 M – Biobased Ethylen-Bis-Stearamid wax (EBS), micronized
DEUREX[®] H 7480 M – Powder mixture for excellent lubrication
BIOMER[®] 130 M – Biodegradable Ethylen-Bis-Stearamid wax (EBS)