

DEUREX® H 9790 M

TECHNICAL INFORMATION

Chemical description: High performance lubricant

Powder metallurgy Applications:

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 occure 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:

DEUREX® H 9790 M = Micronized powder Delivery forms:

	Average value	Method
Particle size*: Typical value:	98 % < 90 μm 50 % < 15 μm	LV 05 (DIN ISO 13320)
Apparent density:	2,95 g/cm ³	AD, Hall
Flow time:	32 sec.	Hall
Green denstiy:	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

Revision:

DEUREX® H 7480 M – Powder mixture for excellent lubrication **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. ® - registered trademark by DEUREX