

# DIAFE - 7000



Carbonyl-iron-powder with a particle size of app. 4 to 7  $\mu\text{m}$

## Technical Specification:

Characteristic	Diafe-7000	
Grain-size distribution (by Laser):		
d(10)	app. 3,0 $\mu\text{m}$	
d(50)	app. 5,5 $\mu\text{m}$	
d(90)	app. 15,0 $\mu\text{m}$	
Chemical Analysis:		
Iron	min. 99,5 %	
C	max. 0,03 %	
O <sub>2</sub>	max. 0,3 %	
Tap Density:	app. 4,0 g/cm <sup>3</sup>	
4 point bending test:	650 N/mm <sup>2</sup>	@ 900 °C
Impact Test:	20,3 J/cm <sup>2</sup>	@ 900 °C

## Hot - Pressing - Behaviour:

