

# Ferro Carbonile HM

Carbonyl iron powder fine grained

**Description:** powder of iron produced in the form of a gray powder in spherical shaped particles. Belongs to the type of powders mechanically hard coming from the thermal decomposition of iron pentacarbonyl without undergoing other chemical treatments

**CAS-Nr.:** 7439-89 -6

**EINECS-Nr.:** 231-096-4

**Specification:**

<b>Iron</b>	<b>≥97,0 %</b>
<b>Carbon</b>	<b>0,6-1,2 %</b>
<b>Oxygen</b>	<b>≤ 0,4 %</b>
<b>Nitrogen</b>	<b>≤ 0,9 %</b>
<b>Sulfur</b>	<b>≤ 50 ppm</b>
<b>Weight loss when heated in an atmosphere of H<sub>2</sub></b>	<b>≤ 3,0 %</b>
<b>Apparent Density</b>	<b>2,0 g/cm<sup>3</sup></b>
<b>Tap Density</b>	<b>7,5 g/cm<sup>3</sup></b>
<b>Particle size distribution:</b>	
<b>d 10</b>	<b>≤ 2,5 μm</b>
<b>d 50</b>	<b>≤ 4,5 μm</b>
<b>d 90</b>	<b>4,0-8,0 μm</b>

**Packaging:** steel drums of 25, 50, 100 kg

**Note:** The information provided in this data sheet are based on our present state of knowledge. Because many factors can affect the application processes, these data do not constitute acceptance of responsibility. It 'up to the user to carry out tests in its specific application conditions.