

**CIRON** is a mesh 100 Cast Iron powder produced by milling gray cast iron. Cast iron powder is very abrasive, particles have sharp edges, contains some dust of cast iron as well as iron oxide dust.



## TYPICAL PHYSICAL PROPERTIES

<b>Apparent density</b>	3.00 g/cm <sup>3</sup>
<b>Flow rate (Hall)</b>	33 seconds/50g

**Solid and dense** **CIRON** is produced by milling cast iron products. Particles are dense and solid (Not spongy).

**Applications** Cast iron powder is used in the manufacturing of specialty alloys and as an ingredient in pyrotechnic mixtures.

- Can easily rust

## PHYSICAL AND CHEMICAL PROPERTIES

### Chemical Analysis, Typical

<b>Fe</b>	> 93 %
<b>C</b>	3.5 %
<b>O</b>	0.5 %
<b>S</b>	< 0.118 %
<b>P</b>	< 0.05 %
<b>Mn</b>	< 0.4 %
<b>Si</b>	> 1.7 %
<b>Cr</b>	0.10 %
<b>Mo</b>	0.04 %
<b>Pb</b>	0.03 %
<b>Sn</b>	0.03 %
<b>Sb</b>	0.02 %
<b>Pd</b>	0.13 %

### Typical Screen Analysis

U.S. mesh	Microns	Wt %
+70	+212	Trace
+100	-212 +150	2.5
+140	-150 +106	8
+200	-106 +75	22
+230	-75 + 63	17
+325	-63 +45	20
-325	-45	30.5

+: stays over/ is larger than  
- : Passes trough/ is smaller than