

CIRONS100

CHEMICAL STORE, INC.

CIRONS100 is a mesh 100 carbon steel powder that can be used as cast iron powder in rust effect applications. Particles of S100 are not as sharp as particles of cast iron powder, making it the product of choice for many applications. Particles of S100 measure between 50 to 200 microns and are practically low dust. Applications include:

- Creating rust effect
- ground water remediation
- Iron filing for magnetic applications
- Stain for concrete tiles



* Dusty version of original S100

TYPICAL PHYSICAL PROPERTIES

Apparent density 3.00 g/cm³
Flow rate (Hall) 33 seconds/50g

High Consistency

A stable statistically controlled manufacturing process assure lot-to-lot consistency in chemical and physical properties.

- Improves product consistency
- Increases productivity
- Reduces processing cost

Solid and dense

CIRONS100 is initially produced from molten scrap iron, not iron ore, assuring consistently dense solid particles. Solid particles are more durable and last longer comparing to the spongy particles.

- Assures consistency of pre-mix chemistry.
- Improves quality
- Extends product life
- Promotes rapid welding

PHYSICAL AND CHEMICAL PROPERTIES

Chemical Analysis, Typical

Fe > 97 %
C 0.8 – 1.2 %
O 0.120 %
S < 0.05 %
P < 0.05 %
Mn < 1.2 %
Si > 0.4 %

Typical Screen Analysis

U.S. mesh	Microns	Wt %
+70	>600	Trace
-70 +100	>150	65
-100	<150	35

+ : stays over/ is larger than

- : Passes trough/ is smaller than

PACKAGING INFORMATION

CIRONS100 is available in 5-lb cans and 50-lb pails

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ChemicalStore.com