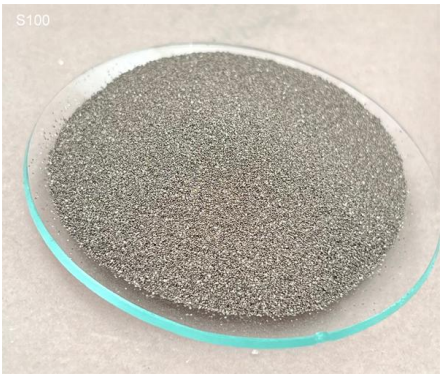
IRONFIL

MINISCIENCE, INC.

IRONFIL (Iron Filing) is a coarse, dense, low carbon iron powder with unique qualities. IRONFIL is the product of choice for educational applications, as a safe replacement for traditional iron filings. Particles of IRONFIL measure about 125 micrometers and are practically free from dust and sharp particles.



Applications: Magnetism Experiments

TYPICAL PHISICAL PROPERTIES

High Consistency	A stable statistically controlled manufacturing process assure lot-to-lot consistency in chemical and physical properties.	• Improves product consistency • Reduces waste and rejects • Improves quality
Solid and dense	**IRONFIL** is produced from molten iron/ steel, assuring consistently dense solid spherical particles. IRONFIL is free from dust, sharp particles, and oil contamination.	• Increases product safety • Improves ease of use • Extends product life • Promotes positive results
Strong magnetic	The high purity, high density and small specific surface area of **IRONFIL** allow strong and fast reaction to magnetic forces.	• Allows visualization demonstration of magnetic field. • Can be used to measure or compare the strength of magnets or electromagnets.

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 %

Apparent density: 3.00 g/cm^3

Typical Screen Analysis

U.S. mesh	**Wt %**
+70	Trace
-100 +150	96
-100	3

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

PACKAGING SIZES

8 Oz Bottle, 24 Oz Shaker Bottle, 1-Lb Jar, 5-Lb Metal Can, 55-Lb Pail

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Revision date: 2024.10.30