MILLED FERROSILICON

PHYSICAL SPECIFICATIONS

CHEMICAL COMPOSITION

Si	-	14 - 16 %
Fe	-	82%
C	-	0.4 %
Mn	-	0.5%
Cr	-	0.5 %

BULK DENSITY

3.1 – 3.5g/cm^3

SPECIFIC GRAVITY

7.20 +- 0.15g/cm

NON MAGNETICS Davis Tube)
<0.4%

MAGNETIC SUSCEPTIBILITY
(Via Satmagan Balance)
60% Min

PACKAGING

Bulk Bag – 1MT (2205 lb)
Bulk Bag – 2MT (4410 lb)
Steel Drum –On Request

This is a product information sheet. It is not a specification sheet. The values are for indication purposes only. Due to the nature of the production process minor variations of sizing and chemical analysis in the actual product may occur. If your process is such that minor variations can cause problems or damage to your process/products, please call for further advise.

SIEVE SPECIFICATION
Weight %

Grade	Product Code	45µ Absolute %
Sigma 65 Mesh	RPG – #65M	22 - 32
Sigma 100 Mesh	RPG – #100M	32 - 40
Sigma 65D	RPG – 65D	46 - 55
Sigma 100D	RPG – 100D	60 - 69
Sigma 150D	RPG – 150D	72 - 81
Sigma 270D	RPG – 270D	85 - 93
Sigma 270F	RPG – 270F	90 - 95

- Custom sizes available on request.

DESCRIPTION

RPG Milled 14/16% FeSi is produced from virgin steel and Ferro silicon(75%Si). It is melted in Induction furnaces and subsequently processed into milled HMS Powder. This process route allows the exact control of Chemical and physical properties.

APPLICATIONS

RPG Milled 14/16% FeSi HMS Media is suited for HMS Slurry separation systems. It is suitable for both drum (Bath) and Cyclone separation systems. It is ideal for Aggregates, Metals, Minerals and any other process needing a sink/float process with particles of specific gravity ranges of 1.8 – 4.2 with a cut density below 3.2

ADVANTAGES

- **High Fe Content – Increased Magnetic Susceptibility – High recovery in Magnetic Separator results in lower losses of media and lower consumption.**
- **High Bulk Density – Requires less media to achieve required cut density. Results in a Lower viscosity slurry and a more stable operation.**
- **Dynamic sieving control, consistent and reproducible sieve analysis. Lower process variation.**
- **Quality Control – Sieve analysis on every 1 MT.**
- **Milled from Particles 3 – 10mm dia. – minimises <20µ fraction. Result is lower consumption of HMS media.**
- **Product is made from virgin raw materials. Contains low levels of trace elements unlike products made from a By-product of Fused alumina.**

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