

EID600 is a very fine – 600 mesh dust of electronic grade iron with particles of mostly smaller than 25 micron. This product is collected via dust collectors in the production line (grinding, screening) of electronic grade iron powder.

TYPICAL PROPERTIES OF STANDARD GRADES

		Max	Min
CHEMICAL PROPERTIES	TEST METHODS		
Total Iron, %	Calculated	99.60	98.20
Hydrogen Loss, %	MPIF 02	0.17	1.68
Carbon, %		0.008	0.008
Manganese, %		0.003	0.003
Phosphorus, %		0.002	0.002
Silicon, %		0.003	0.003
Sulfur, %		0.004	0.005
All Others, %		0.060	0.070
PHYSICAL PROPERTIES			
A.D. g/cm ³	MPIF 04	2.3	2.3
S.A. %, Tyler	MPIF 05		
- 600 mesh %		100	99

APPLICATION

Electrolytic iron dust is selected when a very high purity iron powder with nano - micron size particles are required. Applications may include chemical reactions, filler metals for plastic or epoxy compounds, mirror backing, high density P/M parts, carrier for photocopy toners.

MATERIAL SAFETY DATA

See SDS before using. Nanoparticles of iron require dust prevention measures as well as masks and protective clothing.

SAMPLES AND SERVICES

We offer 1-lb and 5-lb packs of this product for testing and evaluation. Small orders of up to 500 kg are offered in 25 kg plastic pails. Larger quantities require a special order and are usually shipped in steel drums.