

Metals

Product Overview

Metals

Nickel	Available in briquetted or powder form with a purity of 99.8%. Normal packaging – sealed 250 kg drums, smaller packaging may be arranged. Laboratory certificates are available for each batch of Ni produced.
Cobalt	High purity Cobalt metal powder with a purity of 99.8% Co. Packed as required

Chrome

Grade	Sizing	Carbon	Chromium	Silicon	
Plasma Chrome	25 – 80 mm 3 – 15 mm	8 – 9%	50 – 55%	1 – 2%	
Charge Chrome	10 – 100 mm 4 – 25 mm	6 – 9%	47 – 50%	6.5% Max	

Master Alloys

Copper Aluminium	Available in waffle bar, ingot, wire and rod form. (Large availability).
Nickel Boron	Surface deposit coating that can be applied to a wide range of metals to improve wear and corrosion resistance.

Pig Iron and Derivatives

High Purity Pig Iron	An ilmenite derived product from mainstream Titanium Dioxide extraction. It is ideal for ductile iron production, ensuring consistent quality and low levels of deleterious elements. Average ingot size and weight: 60 mm x 270 mm x 130 mm, 9 kg
Beach iron	High purity (high carbon, low residuals) pig iron slabs crushed into manageable shaped blocks.
Chips	Small chips produced during the production of pig iron ingots
Iron by-product skulls	Large iron by-products blocks crushed into manageable size

Mineral Sands

Rutile	Available as 92% or 87% TiO ₂ , packaged in 40 kg or 1 Ton bulk bags. This product is used in the welding products and refractory industries.
Zircon	Available in prime or standard grades, packaged in 40kg durable paper bags or 1 Ton lined bulk bags. This product is used in the ceramic, refractory and foundry industries as glazing, mould and core material. Standard grade Zircon is upgraded to a micronized Zircon (opacifier) by means of a calcining process and is available as Prime Calcined Zircon - more suited to high quality ceramic applications.

Speciality Products

Ceramic Filters	Suitable for both ferrous and non-ferrous metals (various dimensions and pore sizes)
Recarburiser	Low sulphur
Slag Coagulant	Expanded perlite for increased efficiency.
Magsave	High efficiency nodulariser cover for use in the sandwich treatment of SG iron ensuring maximum alloy recovery

Special Alloys

Grade	Sizing					
Low Carbon Ferro Chrome LCFeCr	10 – 80 mm	0.05 % C	58 – 62 % Cr	1.0 % Max Si		
Medium Carbon Ferro Chrome MCFeCr	3 – 35 mm	2 % max C	60 % min Cr	0.5 % Max Si		
High Carbon Ferro Chrome HCFeMn	5 – 10 mm 5 – 50 mm 10 – 80 mm	8 % max C	70 % min Mn (typically 75%)	0.5% Max Si	0.2% Max P	0.05% Max S
Medium Carbon Ferro Manganese MCFeMn	5 – 50 mm 10 – 50 mm	1.5 % max C	78 – 85 % Mn	1% Max Si	0.2% Max P	0.05% Max S
Ferro Titanium Feti	10 – 35 mm	4% – 5% Al	68 % – 72 % Ti			
Ferro Molybdenum Femo	1 – 10 mm 10 – 50 mm		64 % min Mo			
Ferro Vanadium Fev	4 – 50 mm		60 % min V			
Ferro Silicon	10 - 80 mm 10 - 80 mm	0.3 % Max C 0.3 % Max C	70 % Min Si 73 % Min Si	1.5 % Max Al 0.5 % Max Al		
Ferro Boron	5 – 30 mm	0.5 % Max C	17 % Min B	1 % Max Al	2 % Max Si	0.5 % Max S/P
Silico Manganese	10 – 80 mm	2 % Max C	65 – 70 % Mn	15 % Max Si	0.2% Max P	0.2% Max S
Nitrovan	10 – 80 mm	3.72 % C	76.6 % V	15.7 % N	1.38 % O	

*Other special alloys are available on request.

Kontakte

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