

COBALT ALUMINUM POWDER

GfE Spec.

2000223

Application

For the powder-metallurgical production of AlNiCo magnets.

Production method

Vacuum Induction Melting and casting, cryogenically ground and homogenized

Size

-230 mesh (63 μm) or according to customers request

Chemical Composition

.....	spec. (wt%)
Co	78-79.5
Al	20-22
C	max. 0.02
Cr	max. 0.1
Cu	max. 0.05
Fe	max. 0.5
Mn	max. 0.1
Mo	max. 0.1
Ni	max. 0.5
S	max. 0.02
Si	max. 0.2
V	max. 0.1
Fe, Ni, Cu total	max. 1
Mn, Mo, Cr, V total	max. 0.2

Physical Data

Melting temperature	1630 °C
.....	2966 °F
Specific weight	6.8 g/cm ³
Bulk density	2.7 g/cm ³