

NIOBIUM ALUMINUM 60:40

GfE Spec.

2000 123

Alloy

NbAl 60:40

Application

Approved by the major aircraft engine producers for the production of titanium alloys.

Production method

GfE two-step process

1st step: metallothermic reduction

2nd step: vacuum induction melting
and casting

Quality

Material 100%

a) visually inspected

b) magnetically separated

Size

0-0.8 mm

Packaging

200 kg in sealed steel drums

Composition

	spec. (wt. %)
Nb	58-62
Al	38-42
B	max. 0.001
C	max. 0.02
Co	max. 0.005
Cr	max. 0.015
Cu	max. 0.015
Fe	max. 0.25
Mn	max. 0.015
Mo	max. 0.015
Ni	max. 0.015
Ta	max. 0.20
V	max. 0.015
W	max. 0.015
Y	max. 0.001
N	max. 0.030
O	max. 0.20

Physical Data

Tapping temperature	1650 °C
	3002 °F
Solidus/liquidus point	1550-1600 °C
	2822-2912 °F
True density	4.45 g/cm ³