

_ Niobium Aluminum 60:40

GfE Spec. 2024 887

Application

NbAl 60:40 is used as master alloy 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

a) visually inspected during manufacturing

b) magnetically separated

Size

0 - 0.5 mm

Packaging

In sealed steel drums

Chemical Analysis in wt%

Nb	58 - 62
Al	38 - 42
B	≤0.005
C	≤0.02
Co	≤0.005
Cr	≤0.015
Cu	≤0.015
Fe	≤0.25
Mn	≤0.015
Mo	≤0.015
Ni	≤0.015
Ta	≤0.20
V	≤0.015
W	≤0.015
Y	≤0.001
N	≤0.03
O	≤0.20

No. 1 | November 2020