

Vanadium Aluminum 50 - 54% V GfE Spec. 2000 048

Application

VAI 50 - 54% V 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) x-ray inspected

b) magnetically separated

Size

0.25 - 6.3 mm

Packaging

In sealed steel drums

Chemical Analysis in wt%

V	50 - 54
Al	45 - 49
B	≤0.003
C	≤0.10
Cr	≤0.10
Cu	≤0.05
Fe	≤0.4
Mg	≤0.25
Mn	≤0.05
Mo	≤0.15
Ni	≤0.05
P	≤0.03
Pb	≤0.10
S	≤0.02
Si	≤0.35
W	≤0.015
Y	≤0.003
H	≤0.01
N	≤0.04
O	≤0.1

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