

VANADIUM ALUMINUM 40:60

GfE Spec.

200 7875

Alloy

VAI 40:60

Application

For the alloying of vanadium into titanium alloys, e.g. Ti-6Al-4V.

Production method

GfE two step process

1st step: Metallothermic reduction

2nd step: vacuum induction melting
and casting

Quality

Material 100% inspected

a) visually

b) x-ray

c) magnetically separated

Size

6.3 - 0.25 mm

Packaging

In sealed steel drums

Composition

	spec. (wt. %)
V	38-42
Al	58-62
B	max. 0.003
C	max. 0.1
Cr	max. 0.1
Cu	max. 0.05
Fe	max. 0.4
Mg	max. 0.25
Mn	max. 0.05
Mo	max. 0.15
Ni	max. 0.05
P	max. 0.03
Pb	max. 0.1
S	max. 0.02
Si	max. 0.35
W	max. 0.02
H	max. 0.01
N	max. 0.04
O	max. 0.1

Physical Data

Melting temperature	1350 °C
	2460 °F
True density	3.5 g/cm ³