

MOLYBDENUM ALUMINUM TITANIUM 55:40:5

GfE Spec.

2000 181

Alloy

MoAlTi 55:40:5 standard

Application

Master Alloy for the production of titanium alloys

Production method

Metallothermic reduction

Quality

Material 100%

a) visually inspected

b) magnetically separated

Size

0.8 mm /-20 mesh or to customers requirements

Packaging

200 kg in sealed steel drums

Composition

	spec. (wt. %)
Mo	50-55
Al	40-45
Ti	0-5
B	max. 0.01
C	max. 0.1
Cr	max. 0.1
Cu	max. 0.1
Fe	max. 0.25
Mg	max. 0.1
Mn	max. 0.1
Ni	max. 0.1
P	max. 0.02
Pb	max. 0.1
S	max. 0.02
Si	max. 0.3
W	max. 0.05
Y	max. 0.01
N	max. 0.1
O in particle size ≤ 0.8 mm	max. 0.1
O in particle size ≤ 0.3 mm	max. 0.2

Physical Data

Melting temperature	1500 °C
	2730 °F
True density	4.7 g/cm ³