

MOLYBDENUM ALUMINUM 50-55% Mo

GfE Spec.

2000 054

Alloy

MoAl 50-55 % Mo

Application

Approved by the major aircraft engine producers for the alloying of molybdenum into titanium alloys for rotating parts

Production method

GfE two step process according to Quality Control System issued June 1997

1st step: metallothermic reduction

2nd step: vacuum induction melting and casting

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	44-49
B	max. 0.003
C	max. 0.05
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. 0.015
Pb	max. 0.1
S	max. 0.02
Si	max. 0.3
W	max. 0.04
Y	max. 0.005
H	max. 0.005
N	max. 0.03
O in particle size ≤ 0.8 mm	max. 0.10
O in particle size ≤ 0.3 mm	max. 0.20
others each	max. 0.05
Cr, Cu, Mg, Mn, Ni, Pb total	max. 0.4

Physical Data

Melting temperature	1500 °C
	2730 °F
True density	4.6 g/cm ³