

MOLYBDENUM ALUMINUM 63-67% Mo

GfE Spec.

2000 056

Alloy

MoAl 63-67 % Mo

Application

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

Production method

GfE two step process 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.....	63-67
Al.....	32-36
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	1570 °C
.....	2858 °F
True density	5.6 g/cm ³