

Aluminum Tin Zirconium Molybdenum 28:12:24:36

GfE Spec. 2013 645 / 2023 668 / 2020 135 / 2000 058

Application

AlSnZrMo 28:12:24:36 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 magnetically separated

Size

< 0.8 mm (GfE Spec. 2013 645)

0 – 6.3 mm (GfE Spec. 2023 668)

1 – 6 mm (GfE Spec. 2020 135)

2 – 6 mm (GfE Spec. 2000 058)

Packaging

In sealed steel drums

Chemical Analysis in wt%

Al	27 - 30
Sn	10 - 13
Zr	22 - 25
Mo	34 - 37
B	≤0.003
C	≤0.01
Fe	≤0.2
P	≤0.01
Pb	≤0.01
S	≤0.005
Si	≤0.1
W	≤0.01
N	≤0.01
O	≤0.2