



## \_Aluminum Niobium Tantalum 46:36:18 GfE Spec. 2000 044

### Application

AlNbTa 46:36:18 is used as master alloy for the production of titanium alloys

### Production method

GfE two-step process

- 1<sup>st</sup> step: metallothermic reduction  
2<sup>nd</sup> step: vacuum induction melting and casting of the final composition

### Quality

Material

- a) visually inspected during manufacturing  
b) magnetically separated

### Size

< 6.3 mm

### Packaging

In sealed steel drums

### Chemical Analysis in wt%

|    |         |
|----|---------|
| Al | 42 - 50 |
| Nb | 32 - 38 |
| Ta | 15 - 20 |
| C  | ≤0.10   |
| Fe | ≤0.50   |
| Si | ≤0.50   |
| N  | ≤0.05   |
| O  | ≤0.2    |