

## CHEMISTRY

Element	%
Ti	2.7-3.5
B	0.8-1.2
Fe	0.30 max
Si	0.30 max
V	0.13 max
Others each	0.05 max
Others total	0.10 max

Sample to be taken from mid coil.



## FORM

Aluminium rod of diameter 9.7±0.3mm

Coil weight 180kg ± 10%

Colour code blue/white

## MICROSTRUCTURE

**TiAl<sub>3</sub>** 90% < 50µm  
95% < 100µm  
99% < 200µm

**TiB<sub>2</sub>** 95% of particles < 2µm  
99% of particles < 5µm  
The total length of TiB<sub>2</sub> agglomerates should not exceed 25µm/cm<sup>2</sup>

**Oxides** The total length of oxides should not exceed 500µm/cm<sup>2</sup>

**Others** Graphite, silicon, carbides, refractory materials and foreign bodies shall not be permitted

## GRAIN REFINING

1. Grain refining according to AA TP-1 test to achieve a grain size of 110µm (max) after 2 minutes
2. AMG's Advanced DC casting test

## MARKING AND PACKAGING

3 coils per pallet, separated by wooden spacers, water proof wrapped and strapped. Each coil shall be identified by means of label showing:

1. Alloy type
2. Coil weight
3. An identification number
4. Supplier's name

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