

TITANIUM BORON ALUMINUM GRAIN REFINERS

IMACRO supplies and distributes high quality Titanium-Boron-Aluminum grain refiners to add to aluminum wrought alloys and foundry alloys to maintain product consistency and quality, reduce scrap rates and increase productivity by:

- Increasing casting speed
- Reducing solution times for heat treatable alloys
- Improving machinability in the fabrication process
- Better dispersion of second phases and impurities
- Controlling grain size and promoting equiaxed, fine grain structures
- Improving die filling, increasing pressure tightness, and reducing hot tearing
- Enhancing mechanical properties – tensile strength, elongation, impact strength
- Improving feeding during solidification and minimizing and evenly distributing shrinkage porosity

IMACRO

IMACRO Technical and Sales Representatives will be pleased to discuss your requirements for composition, form and packaging.

Please Contact our sales office located at the following address:

Business Office:
1254 Plains Road East
Burlington, Ontario, Canada
Tel: 905-634-3133

Email: info@imacroinc.com

Aluminum Alloy Specifications

Product	Titanium	Boron	Aluminum
3% Titanium - 1% Boron	2.5-3.5 %	0.8-1.2%	Balance
5% Titanium - 0.2% Boron	4.5-5.5 %	0.15-0.25%	Balance
5% Titanium - 1% Boron	4.5-5.5 %	0.8-1.2%	Balance

Product Form and Packaging

Available as cut bar, coiled rod, cut rod and waffle ingots.

Cut bar typical weights: 100g, 200g, 350g, 500g (1/4 lb, 1/2 lb, 3/4 lb, 1 lb).

Rod diameter - nominal: 9.6mm (3/8" Ø).

Coiled Rod: 180kg - 220kg (400 lb - 485 lb) net weight coils, 3 coils per pallet.

Cut rod lengths: 150mm, 300mm, 500mm and 1,000mm (6", 12", 20" and 40"); other lengths available upon request.

Waffle ingot weight: 7 - 8kgs (15 - 18 lbs).

Packaging may vary depending on the shape and size of product; drums, pallet boxes, pallets.

Please enquire about other forms or packaging.

Product Specifications are subject to change at the Company's discretion.

