

KB Alloys Tibor® 10% Ti - 1% B Titanium Boron Aluminum Alloy

Category : Metal , Nonferrous Metal , Aluminum Alloy

Material Notes:

Close control of the cast structure is a major requirement in the production of high quality aluminum alloy products. The most effective way to provide a fine and uniform as-cast grain structure is to add nucleating agents to the melt to control crystal formation during solidification. Master alloys with a number of different titanium-to-boron or titanium-to-carbon ratios are available to accommodate special conditions which may exist in the users plant. In selecting the proper grain refiner alloy, the user must take into consideration conditions such as the alloy to be treated, the quantity of recycle or secondary aluminum used, the desired grain size in the product, and the melting and casting practice used. Information provided by KB AlloysAl. Assoc. Registration No: H2211

Order this product through the following link:

http://www.lookpolymers.com/polymer_KB-Alloys-Tibor-10-Ti-1-B-Titanium-Boron-Aluminum-Alloy.php

Component Elements Properties	Metric	English	Comments
Aluminum, Al	86.12 - 88.72 %	86.12 - 88.72 %	
Boron, B	0.90 - 1.5 %	0.90 - 1.5 %	
Iron, Fe	0.35 %	0.35 %	
Nickel, Ni	0.050 %	0.050 %	
Other, each	0.030 %	0.030 %	
Other, total	0.15 %	0.15 %	
Silicon, Si	0.30 %	0.30 %	
Titanium, Ti	9.0 - 11 %	9.0 - 11 %	
Vanadium, V	0.50 %	0.50 %	

Descriptive Properties	Value	Comments
Form	Waffle Ingot, Buttons	

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