



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: Aluminum - Tin - Titanium		Specification No. RAI-0031 Revision: 4
Department: Thermite Area:	<i>Approved & Released Product Specification</i>	Implementation Date: 05/24/2005
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished Goods	Product Line: Thermite Line 2
Part Number: 31110	Revision: 1
Description: Al - Sn - Ti	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	35-40%
Tin	25-30%
Titanium	35-40%
Boron	0.003%
Carbon	0.15%
Iron	0.45%
* Magnesium	0.01%
* Molybdenum	0.10%
Phosphorus	0.035%
* Silicon	0.30%
* Sulfur	0.01%

Hydrogen	0.03%
Nitrogen	0.04%
* Oxygen	0.50%

Material Size:

3/8 Inch by 20 Mesh (US Standard Sieve Designation)
 + 3/8 Inch = 2% Maximum
 3/8 Inch x 20 Mesh = 96% Minimum
 - 20 Mesh = 2% Maximum

Other sizes available on request.

2.0 Special Requirements:

A. Inspection:

All material is 100% visually inspected to verify metal is clean and free of debris.

B. Packaging:

1000 pounds in open-head steel drums (55 gallon)
 Other packaging on request.

* Indicates change from last revision

3.0 Safety & Environmental Information:

MSDS-0025

4.0 Associated Documents:

Associated Quality System Documents - None

Click to Open an Associated Document

5.0 Document Revision History:

Revision: 4	Date Created: 09/18/2008 Date of Last Revision: 09/24/2008	Last Approval Date: 09/24/2008
Document Author: Beth Maiocchi		

6.0 Reason for Change:

Revision:	Sec/Para Changed	Change Made:	Date
1	N/A	Initial Issue of Document	10/6/94
2	N/A	Change to Lotus Notes Format	12/10/98
3	Sect 8	Added Signatory	6/9/99
4	1	Changed Mg, Mo, Si, S & O requirement; revised format	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

Name: James Robison/PA-ROB/Ametek
Title: Director of Technology

Sep 24, 2008 04:08:13 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section