



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.

 **Product Specification**

Title: Aluminum - Carbon - Titanium (Codep)		Specification No. RAI-0033 Revision: 5
Department: Special Products	<i>Approved & Released Product Specification</i>	Implementation Date: 05/24/2005
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished Goods	Product Line: Special products
Part Number: 32101	Revision: 1
Description: Al - C - Ti	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	33.5% Minimum
Combined Carbon	4.8 - 5.6%
Titanium	Balance
Copper	0.10% Max
Iron	0.70% Max
Tin	0.10% Max
Acid Insoluble	1.80% Max
Ni + Mn + Cr + Fe	1.50% Max
Deposition Factor	13 - 15

* Deposition Factor = Al + 2.25 Combined Carbon - 0.56 Ti - 0.4 Fe

Material Size:

70 Mesh by 325 Mesh (US Standard Sieve Designation)

- + 70 Mesh = 0%
- 70 x 100 Mesh = 5% Maximum
- 100 x 325 Mesh = 75% Minimum
- 325 Mesh = 25% Maximum

2.0 Special Requirements:

A. Inspection:

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

B. Packaging:

Standard packaging is 40 pounds per 5 gallon open-head steel can

* Indicates change from last revision

3.0 Safety & Environmental Information:

MSDS-029

4.0 Associated Documents:

Associated Quality System Documents - None

[Click to Open an Associated Document](#)

5.0 Document Revision History:

Revision: 5	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	11/20/92
2	N/A	Unknown	5/13/93
3	N/A	Change to Lotus Notes Format	12/10/98
4	Sect 8	Added Signatory	6/9/99
5	N/A	Changed format, added reference to MSDS in Sect. 4, added calculation for Deposition Factor	above

7 Notification List:

8.0 Approvals:

First Approver's Signature _____

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

Sep 24, 2008 04:11:20 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section