



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: Aluminum - Chromium - Molybdenum - Tin - Titanium - Zirconium (Ti-17)		Specification No. RAI-0026 Revision: 5
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 01/17/2001
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished Goods	Product Line: Thermite Line 2
Part Number: 31102	Revision: 1
Description: Al - Cr - Mo - Sn - Zr - Ti	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
*Aluminum	21-26%
*Chromium	23-28%
Molybdenum	21-26%
Tin	9-14%
Titanium	5% Max
Zirconium	8-13%
Boron	0.003% Max
Carbon	0.15% Max
Iron	0.45% Max
Magnesium	0.25% Max
Phosphorus	0.035% Max
Silicon	0.35% Max

Sulfur	0.02% Max
Hydrogen	0.03% Max
Nitrogen	0.04% Max
Oxygen	0.10% Max

2.0 Special Requirements:

2.01 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.

2.02 Inspection:

Visual and Ultraviolet

2.03 Packaging:

1000 pounds in 55 gallon open-head steel drums

* indicates change from last revision

3.0 Safety & Environmental Information:

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
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Document Author: Beth Maiocchi	
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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 major element and tramp concentrations to be relevant to customer specifications.	7/3/97
3	N/A	Change to Lotus Notes Format	12/10/98
4	Sect 8	Additional Signatory	6/9/99
5	Sect 1	Change Al and Cr requirements	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 04:02:32 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section