



*Reading Alloys, Inc.*

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



## Product Specification

<b>Title:</b> 35 Aluminum - 65 Molybdenum		<b>Specification No.</b> RAI-0096 <b>Revision:</b> 2
<b>Department:</b> Thermite	<i>Approved &amp; Released Product Specification</i>	<b>Implementation Date:</b> 06/15/2005
<b>Area:</b>		
<b>Type of Document:</b> RAI Product Specification		<b>Review Period - 365 Days</b>

### Product Information:

<b>Category:</b> Finished goods	<b>Product Line:</b> Thermite Line 2
<b>Part Number:</b> 30403	<b>Revision:</b> 1
<b>Description:</b> 35 Al - 65 Mo	
<b>Customer Part #:</b>	<b>Engineer:</b> James Robison

### 1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	34 - 38%
Molybdenum	62 - 66%
* Titanium	0.3% Max
Boron	0.01% Max
Carbon	0.05% Max
Iron	0.20% Max
Silicon	0.25% Max
Sulfur	0.01% Max
Nitrogen	0.025% Max
Oxygen	0.15% Max

**Material Size:**

20 Mesh by Down  
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:**

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

\* Indicates change from last revision

**3.0 Safety & Environmental Information:**

MSDS-006

**4.0 Associated Documents:**

Associated Quality System Documents - None

Click to Open an Associated Document

**5.0 Document Revision History:**

<b>Revision:</b> 2	<b>Date Created:</b> 09/19/2008 <b>Date of Last Revision:</b> 09/24/2008	<b>Last Approval Date:</b> 09/24/2008
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<b>Document Author:</b> 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	6/3/99
2	1	Added requirement for Ti	above

**7 Notification List:**

**8.0 Approvals:**

**First Approver's Signature**

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

Sep 24, 2008 04:35:57 PM EDT - Approved by: James Robison/PA-ROB/Ametek

**Document History Section**