



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: Aluminum - Molybdenum - Vanadium - Titanium		Specification No. RAI-0024 Revision: 4
Department: Thermite	<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: Thermite Line 2
Part Number: 31001	Revision: 1
Description: 20 Al - 27 Mo - 53 V	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

Chemical Requirements:

ELEMENT	SPECIFICATION
Aluminum	14-21%
Molybdenum	26.5-28.5%
Titanium	3% Max
Vanadium	48-53%
Boron	0.005% Max
* Carbon	0.05% Max
Copper	0.03% Max
Iron	0.30% Max
Phosphorus	0.02% Max
* Silicon	0.20% Max
Sulfur	0.01% Max

Nitrogen	0.03% Max
Oxygen	0.20% Max

Material Size:

Minus 20 Mesh (US Standard Sieve Designation)
 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 55 gallon open-head steel drums

* Indicates change from last revision

3.0 Safety & Environmental Information:

MSDS-018

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
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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	11/20/92
2	N/A	Change to Lotus Notes Format	12/10/98
3	Sect 8	Additional Signatory	6/9/99
4	1	Changed requirement for C & Si	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 04:00:21 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section