



Reading Alloys, Inc.

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THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: 40 Aluminum - 60 Niobium		Specification No. RAI-0084 Revision: 3
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 03/07/2000
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished goods	Product Line: Thermite Line 2
Part Number: 30102	Revision: 1
Description: 40 Al - 60 Nb	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	37-41%
Niobium	58-63%
Boron	0.01% Max
Carbon	0.10% Max
Chromium	0.05% Max
Copper	0.05% Max
Iron	0.35% Max
Manganese	0.05% Max
Nickel	0.05% Max
Phosphorus	0.02% Max
Silicon	0.30% Max
Sulfur	0.024% Max

Tantalum	0.30% Max
Nitrogen	0.05% Max
Oxygen	0.10% Max

2.0 Special Requirements:

2.01 Size

Size A: Minus 5/16 inch = 100% (US Standard Sieve Designation)

Size B: Minus 20 mesh = 100% (US Standard Sieve Designation)

Other sizes available on request.

2.02 Inspection: 100% Visual

2.03 Packaging: 1000 pound open-head steel drums (55 gallon)

Other packaging available on request.

* 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: 3	Date Created: 09/19/2008 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	12/10/98
2	Sect 8	Additional Signatory, corrected typicals, changed approvals	02/21/00

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 04:29:18 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section