



Reading Alloys, Inc.

220 Old West Penn Ave. Robesonia, PA 19551

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.



Product Specification

Title: 60 Aluminum - 40 Vanadium		Specification No. RAI-0012 Revision: 7
Department: Thermite	<i>Approved & Released Product Specification</i>	Implementation Date: 05/18/2000
Area:		
Type of Document: RAI Product Specification		Review Period - 365 Days

Product Information:

Category: Finished Goods	Product Line: Thermite Line 1
Part Number: 30507	Revision: 1
Description: 60 Al - 40 V	
Customer Part #:	Engineer: James Robison

1.0 Product Specification:

ELEMENT	SPECIFICATION
Aluminum	54-60%
Vanadium	40-45%
Boron	0.003% Max
Carbon	0.10% Max
Chromium	0.20% Max
Copper	0.10% Max
Iron	0.50% Max
Magnesium	0.05% Max
Manganese	0.05% Max
Molybdenum	0.30% Max
Nickel	0.05% Max
Phosphorus	0.02% Max

Silicon	0.50% Max
Sulfur	0.03% Max
Tungsten	0.05% Max
Hydrogen	0.015% Max
Nitrogen	0.05% Max
Oxygen	0.10% Max

2.0 Special Requirements:

2.01 Size:

1/4 Inch by 50 Mesh (US Standard Sieve Designation)

98% Min Minus 1/4 inch

2% Max Oversize to 5/16 inch

2% Max Minus 50 Mesh

Other sizes available on request.

2.02 Inspection:

100% Visual - Whitelight, Blacklight, and Fluoroscope

2.03 Packaging:

800 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: 7	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	6/18/79
2	N/A	Unknown	8/15/89
3	N/A	Unknown	11/20/92
4	N/A	Unknown	5/13/93

5	N/A	Change to Lotus Notes Format	6/7/99
6	1	Changed H Spec from 0.005 to 0.015 Max Changed O typical from 0.007 to 0.07	12/22/99
7	1	Removed Typical Analysis	above

7 Notification List:

8.0 Approvals:

First Approver's Signature

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

Sep 24, 2008 03:42:38 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section