



Reading Alloys, Inc.

220 Old West Penn Ave. Robesonia, PA 19551

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION.

 **Product Specification**

| | | |
|--|--|---|
| Title: 15 Magnesium - 85 Nickel | | Specification No. RAI-0036 Revision: 4 |
| Department: Special Products Area: | Approved & Released Product Specification | Implementation Date: 05/24/2005 |
| Type of Document: RAI Product Specification | | Review Period - 365 Days |

Product Information:

| | |
|--------------------------------------|--|
| Category: Finished Goods | Product Line: Special Products |
| Part Number: 32302 | Revision: 1 |
| Description: 15 Mg - 85 Ni | |
| Customer Part #: | Engineer: James Robison |

1.0 Product Specification:

| ELEMENT | SPECIFICATION |
|------------|---------------|
| Magnesium | 14 - 17% |
| Nickel | Balance |
| Bismuth | 0.001% Max |
| Carbon | 0.10% Max |
| Cobalt | 0.10% Max |
| Iron | 0.20% Max |
| Lead | 0.004% Max |
| Manganese | 0.20% Max |
| Phosphorus | 0.01% Max |
| Silicon | 0.20% Max |
| Silver | 0.004% Max |
| Sulfur | 0.01% Max |

| | |
|------|------------|
| Tin | 0.004% Max |
| Zinc | 0.004% Max |

Material Size:

Broken Ingot

2.0 Special Requirements:

A. Inspection:

All material is 100% visually inspected to verify metal is clean and free of debris.

B. Packaging:

Per customer request.

* Indicates change from last revision

3.0 Safety & Environmental Information:

MSDS-032

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 |
|--------------------|---|---------------------------------------|

| | |
|--|--|
| Document Author: Beth Maiocchi | |
|--|--|

6.0 Reason for Change:

| Revision: | Sec/Para Changed | Change Made: | Date |
|-----------|------------------|--|----------|
| 1 | N/A | Initial Issue of Document | 12/2/92 |
| 2 | N/A | Change to Lotus Notes Format | 12/10/98 |
| 3 | Sect 8 | Added Signatory | 6/9/99 |
| 4 | N/A | Revised format; added reference to MSDS to Sect. 4 | above |

7 Notification List:

8.0 Approvals:

First Approver's Signature _____

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

Sep 24, 2008 04:13:56 PM EDT - Approved by: James Robison/PA-ROB/Ametek

Document History Section