


|   |                      |                     |            |                    |                                 |                     |            |            |             |  |     |     |     |      |
|---|----------------------|---------------------|------------|--------------------|---------------------------------|---------------------|------------|------------|-------------|--|-----|-----|-----|------|
| AZ63HP  | Material Designation |                     |            |                    | Terms of official rules EN12438 |                     |            |            |             |  |     |     |     |      |
| MgAlZn  | Symbol               |                     | NR         |                    | Level                           | Mg                  | Al         | Zn         | Mn          | Si   | Fe  | Cu  | Ni  | Oth. |
|   | EN-MAMgAl6zN3        |                     | EN-MA21150 |                    | Min. Max.                       | Rem                 | 5,0<br>7,0 | 2,0<br>4,0 | 0,2<br>1,0  | ---  | --- | --- | --- | ---  |
| Chemical Analysis of Impurity                         |                      |                     |            |                    | Potential                       |                     |            |            | Weight loss |  |     |     |     |      |
| Sb+As+Pb+Cr+Ni<br>%                                   |                      | Cd+Hg+Se<br>%       |            | Fe+Cu<br>%         |                                 | Eu<br>(V)           |            |            |             | V=(g x m <sup>-2</sup> x d <sup>-1</sup> ) |     |     |     |      |
| < 0,1 <sup>1</sup>                                    |                      | < 0,01 <sup>1</sup> |            | < 0,1 <sup>1</sup> |                                 | < -0,9 <sup>1</sup> |            |            |             | < 30 <sup>2</sup>                          |     |     |     |      |
| Chemical Analysis Data of Currently Utilized Material |                      |                     |            |                    |                                 |                     |            |            |             |  |     |     |     |      |
| Heat Nr   | AZ63 High Purity     |                     |            |                    |                                 |                     |            |            |             |  |     |     |     |      |
|   | Chemical Composition |                     |            |                    |                                 |                     |            |            |             |  |     |     |     |      |
| 4034413<br>082005                                     | %                    |                     |            |                    |                                 |                     |            |            |             |  |     |     |     |      |
|   | Si                   | Al                  | Fe         | Mn                 | Zn                              | Cu                  | Ni         | Be         | Mg          | Others                                     |     |     |     |      |
|   | 0,0491               | 6,15                | 0,0010     | 0,305              | 2,71                            | 0,0019              | 0,0006     | 0,0009     | Balance     | <0,05                                      |     |     |     |      |

|                |   |
|----------------|---|
| L <sub>3</sub> | 21,3 - 32mm   |
| L <sub>2</sub> | 140mm or according to customer request                |
| L <sub>1</sub> | M8 x 10mm   |
| L              | 100 - 150 - 200 - 250 - 300 - 400 - 500 - 600 - 800mm |
| N°             | Description   |

|   |             |                 |             |                            |
|---|-------------|-----------------|-------------|----------------------------|
|  | Description | Magnesium anode | Drawing Nr. | 213200                     |
|   | Material    | AZ 63 HP        | Customers   | Producers of water heaters |
|   | Date        | 22/02/16        | Designed    |                            |
|   | Date        | 23/02/16        | Approved    |                            |

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