

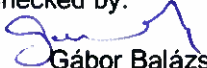



MATERIAL SPECIFICATION

Alcoa-Köfém Kft. GRP-ATI Casthouse		AlZr15% Masteralloy	
I.D. No: Ö-SPEC-91-EURAZR1585ALING			Date : 2010.09.23 Modification: 1/2012.12.10.
Prepared by:  Berki Csaba		Checked by:  Gábor Balázs	Approved by:  Dr. Szépvölgyi János

1. Item: EURAZR1585ALING

2. Chemical composition:

	%MIN.	%MAX.	%TARGET
Zr	14,0	16,0	15,0
Si		0,20	
Fe		0,30	

Other elements	%MAX.
Others each	0,05
Others total	0,15
Aluminium: remainder	

3. Form / size:

Waffle weighing appr. 5-6 KGs.

4. Packaging and delivery:

Ingots to be placed in rows on top of each other, covered with shrink foil. Colour code is red-blue. Ingots to be placed onto EURO pallets weighing maximum 1 MT, suitable for moving by forklift truck by all the 4 sides.



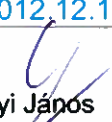

Pallets to be delivered by normal tilt trailer, which can be unloaded from the side.

5. Marking:

Pallets should be marked by all the four sides. Marking should include the data as follow:

- Name of product
- Gross and net weight
- Name of producer
- Pallet's serial number
- Purchase Order Number of Buyer
- Chemical composition.

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6. Accompanying documents:

Each delivery should be supplied by:

- Producer's certificate of analysis per each charge
- Material Safety Data Sheet
- Shipping document
- Packing list
- *ISO 9001 Quality Management System* (only with first delivery and in case of a new or renewed qualification)
- One of the documents must contain:
 - Item name
 - Origin of the material
 - Specification I.D. No. and the modification date

7. Other informations:

ALCOA-KÖFÉM Llc. Casthouse maintains a quality management system as per AS9100C aerospace requirements.

Section 7.4.2. of AS9100C Standard requires you, suppliers of Alcoa-Kofem Llc. to meet certain notification/information requirements, with special attention to the following:

- Obligation to provide information if you become aware of a deviation that occurred in your process earlier and could adversely affect the product quality or production processes of Alcoa-Kofem Llc.
- Should you be forced to deliver product deviating from the product specification then a deviation permit shall be obtained from Alcoa-Kofem Llc. prior to the receipt of the shipment
- Alcoa-Kofem Llc. shall be notified on changes of the manufacture process or product quality, relocation of the production to another manufacturing plant.

Alcoa-Kofém Llc. requires from its suppliers/vendors that Alcoa-Kofem Llc. representatives and its customers will have the right to perform process audit or regulatory authority audit in the supplier's/vendor's plant or at the place of manufacturing at all reasonable times, upon advance notice. The supplier shall ensure the access to manufacturing areas and relevant records/documents for the purpose of the audit.

Only the pages with proper signature are approved !