

TEKNİK ŞARTNAME/ TECHNICAL SPECIFICATION

ALLOYING ELEMENT (Zinc)

Döküman No Document No İlk Yayın Tarihi Publish Date

Sayfa/Page

Rev. Tarihi
Rev. Date :27.09.2013
Rev. No: :3

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: TS.060

REVİZYON TARİHÇESİ*IREVISION HISTORY*

Rev. No	Revizyon Tarihi Revision Date	Revizyon Açıklaması Revision Explanation	Değişen Sayfa Changed Page	Revize Eden Revised By
1	14.10.2011	Change of people responsible with the issuing of this document does not change the acceptance criteria	37	Murat Dündar
2	22.11.2011	Responsibility part has been updated.	Q.	Murat Dündar
3	27.09.2013	Document has been revised	All	Murat Dündar

1.0. KAPSAM/SCOPE

This specification identifies the required properties of Zinc (Zn) master alloy added into the liquid aluminum in alloying practices of ASSAN aluminum.

2.0. MALZEME TANIMI VE ÖZELLİKLERİ/ PRODUCT DESCRIPTION AND SPECIFICATIONS

The materials to be delivered shall meet the qualities stipulated in this specification.

2.1. Chemical Composition

Zn > 99,90

Pb < 0,010

Cd < 0.005Fe < 0.005

Each of the remaining < 0,005 Others, total < 0,025

2.2. Physical Properties

Shall be in bullion form.

No oxide deposits, swelling or any dirt (rust, mud etc.) should be present on the ingot surfaces.

2.3. Dissolution in liquid metal

The recovery rate of Zn element in the metal bath must be above 95% for the application temperature of 700-800 °C at the end of 30 minutes.

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3.0. TEST SERTİFİKASI VE / VEYA KOŞULLARI/ TEST CERTIFICATE AND/OR CONDITIONS

The supplier shall provide a test certificate for each material delivered showing the content of the master alloy that comply the specified values above. The following information must be included in the certificate:

Supplier's Name

Assan Order Number

Chemical analysis

Product Name (and code, if available)

4.0. TESLİMAT ŞEKLİ/ DELIVERY CONDITIONS

4.1. Packaging

Shall be packed in maximum 1.5-ton pallets that are not affected by the environmental conditions (such as rain, moisture, mud and dust) and the packaging shall allow ease of handling by forklift. Each individual pack or pieces should be maximum of 15 kg.

Height (mm)	Length (mm)	Width (mm)	
1200	1100	1150	

4.2. Labeling

The following information should be shown on the label prepared for each skid:

Supplier's Name

Material Name

Net Weight

Shipping date

Production no

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5.0. YÜKÜMLÜLÜK/ OBLIGATION

The supplier is obligated to meet the requirements indicated in this specification for each lot of materials delivered. The materials that do not meet with the requirements specified shall be returned. ASSAN may charge all the losses originating from the master alloy itself, that does not comply the specification, to the supplier, including all the processing cost so far incurred and any charges endorsed by the customer of ASSAN. In case of any disripancy related to the quality issue violating the specification, the investigation reports issued by local research institute, TUBİTAK or universities İTÜ, ODTÜ, YTÜ will be employed for resolution.

6.0. SORUMLULUK/ RESPONSIBILTIES

The Product and Process Development Department is responsible from checking of certificate provided by the supplier for compliance with the specification. The Cast shop is responsible for checking physical properties and the proper use of the material in prescribed practices.

7.0. DİĞER HUSUSLAR/ OTHER

Supplier is obliged to have master alloy be tested in an accredited laboratory once in a year and submit the results to ASSAN.

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