



ASSAN  
ALUMİNYUM

TEKNİK ŞARTNAME/  
TECHNICAL SPECIFICATION

ALLOYING ELEMENT (Zinc)

Döküman No  
Document No : TS.060  
İlk Yayın Tarihi  
Publish Date :-  
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Sayfa/Page : 1 / 3

REVİZYON TARİHÇESİ/REVISION 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		Murat Dünder
2	22.11.2011	Responsibility part has been updated.		Murat Dünder
3	27.09.2013	Document has been revised	All	Murat Dünder

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 < 0,005  
Fe < 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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TEDARİKÇİ ADI/ SUPPLIER NAME		MÜHÜR / İMZA/ SIGNATURE
YETKİLİ İSİM/ RESPONSIBLE		
TARİH/DATE		



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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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YETKİLİ İSİM/ <i>RESPONSIBLE</i>		
TARİH/ <i>DATE</i>		

**5.0. YÜKÜMLÜLÜK/ OBLIGATION**


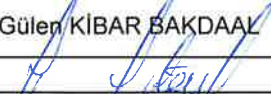

The supplier is obligated to meet the requirements indicated in this specification for each lot of materials delivered. The materials that do not meet with the requirements specified shall be returned. ASSAN may charge all the losses originating from the master alloy itself, that does not comply the 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 discrepancy related to the quality issue violating the specification, the investigation reports issued by local research institute, TÜBİTAK or universities İTÜ, ODTÜ, YTÜ will be employed for resolution.

**6.0. SORUMLULUK/ RESPONSIBILITIES**

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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