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	ALLOYING ELEMENT (IRON)	

REVİZYON TARİHÇESİ/REVISION HISTORY

Son Revizyon Açıklaması / Last Revision Explanation	Değişen Sayfa Changed Page
Genel revizyon

ONAY / APPROVAL

	ADI-SOYADI/ NAME-SURNAME	UNVANI/ TITLE
HAZIRLAYAN ONAYI/ PREPARATION APPROVAL	ÖZLEM İNANÇ UÇAR	Araştırma ve Geliştirme Laboratuvar Yöneticisi Approved electronically via QDMS.
YÜRÜRLÜK ONAYI/ ENFORCEMENT APPROVAL	MUSTAFA MURAT DÜNDAR	Teknoloji Direktörü Approved electronically via QDMS.

1.0. KAPSAM/SCOPE

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

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

Description	By mass	
	Fe	Al ve flux
%75 tablet	% 74-76	% 24-26
% 80 tablet	% 79-81	% 19-21

2.2. Physical Properties

No oxide deposits, swelling or any dirt (rust, mud etc.) should be present on the surface of tablet and pallets. Tablets shall be intact enough not to fall apart during handling.

TEDARİKÇİ ONAYI/APPROVAL OF SUPPLIER		
TEDARİKÇİ ADI/ SUPPLIER NAME		MÜHÜR / İMZA/ SIGNATURE
YETKİLİ İSİM/ RESPONSIBLE		
TARİH/DATE		

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2.3. Dissolution in liquid metal

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

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 packages 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. Dimensions should not exceed the limits given in Table 1.

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


Table 1. Upper limits for package dimensions

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

TEDARİKÇİ ONAYI/ APPROVAL OF SUPPLIER		
TEDARİKÇİ ADI/ SUPPLIER NAME		MÜHÜR / İMZA/ SIGNATURE
YETKİLİ İSİM/ RESPONSIBLE		
TARİH/ DATE		

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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 comply the requirements in this specification 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.

TEDARİKÇİ ONAYI/ *APPROVAL OF SUPPLIER*

TEDARİKÇİ ADI/ <i>SUPPLIER NAME</i>		MÜHÜR / İMZA/ <i>SIGNATURE</i>
YETKİLİ İSİM/ <i>RESPONSIBLE</i>		
TARİH/ <i>DATE</i>		