

TEKNİK ŞARTNAME/ TECHNICAL SPECIFICATION

ALLOYING ELEMENT (SILICON)

Döküman No

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:TŞ.014

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REVIZYON TARIHÇESİ/REVISION HISTORY

Rev. No	Revizyon Tarihi Revision Date	Revizyon Açıklaması Revision Explanation	Değişen Sayfa Changed Page	Revize Eden Revised By
1	****		_	
2				
3	::********	***************************************		
4	14.10.2011 Change of people responsible with the issuing of this document does not change the acceptance criteria.			
5	22.11.2011	1 Responsibility part has been updated.		
6	27.09.2013	Revised.	All	M.Dündar

1.0. KAPSAM/SCOPE

This specification identifies the required properties of Silicon (Si) 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

Si	% 98.00
Fe	max. % 0.65
Са	max % 0,50
Cu	max. % 0.02
Mn	max. % 0.02
Mg	max. % 0.005
Pb	max. % 0.005
Zn	max. % 0.02
Each of the remaining	max. % 0.05
Others, total	max. % 0.10

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TEDARİKÇİ ON	AYIIAPPROVAL OF SUPPLIER	
	MÜHÜR / İMZA/ SIGNATURE	
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TARİH/DATE FR.038.06

RESPONSIBLE



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2.2. Physical Properties

No oxide deposits, swelling or any dirt (rust, mud etc.) should be present on the ingot surfaces. Shall be rigid enough not to crumble when held in hand. The container bag should not include any powder form of Si at the bottom.

2.3. Dissolution in liquid metal

The recovery rate of Si 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 SERTIFIKASI 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 composition

Product Name (and code, if available)

4.0. TESLİMAT ŞEKLİ/ DELIVERY CONDITIONS

4.1. Packaging

Shall be in packages weighing 25 or 1150 kg 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.

4.2. Labeling

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

Supplier's Name

Material Name

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TEDARİKÇİ ADI/ SUPPLIER NAME		MÜHÜR / İMZA/ SIGNATURE	
YETKİLİ İSİM/ RESPONSIBLE			
TARIH/DATE			



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Net Weight
Shipping date
Production lot

5.0. YÜKÜMLÜLÜK/ OBLIGATION

The supplier is obliged to meet the requirements indicated in this specification for each lot of materials delivered. The materials that do not meet with the requirements specified in this document 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 generated by the use of material in the application of ASSAN customer and 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, TUBITAK or universities ITÜ, 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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