JIS

JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS G 2402 : 2015

(JAA/JSA)

Aluminium dross for iron and steel making

ICS 77.120.10 ; 77.140.01
Reference number : **JIS G 2402 : 2015 (E)**

Date of Establishment: 2002-11-20

Date of Revision: 2015-09-11

Date of Public Notice in Official Gazette: 2015-09-24

Investigated by: Japanese Industrial Standards Committee

Standards Board for ISO area

Technical Committee on Metal and Inorganic Materials

JIS G 2402 : 2015, First English edition published in 2016-02

Translated and published by: Japanese Standards Association
Mita MT Building, 3-13-12, Mita, Minato-ku, Tokyo, 108-0073 JAPAN

In the event of any doubts arising as to the contents,
the original JIS is to be the final authority.

Printed in Japan NH/HN

Contents

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Aluminium Association (JAA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS G 2402**:2009 is replaced with this Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with patent rights, applications for a patent after opening to the public or utility model rights. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying any of such patent rights, applications for a patent after opening to the public or utility model rights.

Aluminium dross for iron and steel making

1 Scope

This Japanese Industrial Standard specifies the aluminium dross to be used as the flux for making iron and steel.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS G 2403 *Aluminium dross for iron and steel making — Sampling and sample preparation procedures*

JIS G 2404 *Methods for chemical analysis of aluminium dross for iron and steel making*

JIS Z 8801-1 *Test sieves — Part 1 : Test sieves of metal wire cloth*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1 aluminium dross

residue floating on the surface of melt and that on the bottom of furnace when aluminium or aluminium alloy is dissolved.

It is rich in metallic aluminium and becomes granular, powdery or massive form after cooling. It is called aluminium dross or dross simply by abbreviating in some case.

3.2 aluminium dross for iron and steel making

mixture prepared in such a way that aluminium dross is processed by grinding, classifying, or adjusting particle size, furthermore the component is adjusted by adding several types of those and when there are insufficient components after compounded, the component is adjusted by adding metallic aluminium, aluminium oxide, other effective component and the like

4 Classification, division and symbol of grade

The classification, division and symbol of grade are as given in Table 1. The aluminium dross is classified into seven grades (Grade 1 to Grade 7) according to the content rate of metallic aluminium as the active component. Also, it is classified into three grades (Grade 11 to Grade 13) according to the content of aluminium oxide as the active component. In addition, it is subdivided into A to D according to the content rate of impurities as given in Tables 2 and 3.