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ICS 71.100.10
CCS Q52

YS

NONFERROUS METALS INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YS/T 63.28-2025

Carbonaceous materials used for the production of aluminium - Part 28: Determination of carbon content of prebaked anodes

铝用炭素材料检测方法 第 28部分：预焙阳极碳含量的测定

(English Translation)

Issued on: December 17, 2025 **Implemented on: July 1, 2026**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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1 Foreword

YS/T 63.28-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 July 2026.

It is one of 23 parts of the YS/T 63 series.

2 Scope

This standard specifies the method for determining the carbon content of prebaked anodes. This standard applies to the determination of the carbon content of prebaked anodes.

3 About this standard

Sector: Nonferrous Metallurgy Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YS/T 63.2-2023 - Test methods for carbon materials for aluminum - Part 2: Determination of room temperature resistivity

YS/T 63.3-2016 - Carbonaceous materials used in the production of aluminium--Part 3: Determination of the thermal conductivity--Comparative method

YS/T 63.4-2023 - Test methods for carbon materials for aluminum - Part 4: Determination of thermal expansion coefficient

YS/T 63.5-2025 - Part 5: Determination of the expansion due to sodium penetrati on with application of pressure for cathode blocks

YS/T 63.7-2024 - Testing methods for carbon materials for aluminum - Part 7: Determination of apparent density - Dimensional Method

YS/T 63.8-2023 - Testing methods for carbon materials for aluminum - Part 8: Determination of true density - Pycnometer method

YS/T 63.9-2012 - Carbonaceous materials used in the production of aluminium. Part 9: Determination of truth density by helium pyknometry method

YS/T 63.10-2012 - Carbonaceous materials used in the production of aluminium. Part 10: Determination of the air permeability

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YS/T 63.11-2024 - Testing methods for carbon materials for aluminum - Part 11: Determination of air reactivity

YS/T 63.12-2024 - Testing methods for carbon materials for aluminum - Part 12: Determination of CO2 reactivity of prebaked anodes

YS/T 63.13-2016 - Carbonaceous materials used in the production of aluminium-Part 13: Determination of elastic modulus

YS/T 63.14-2023 - Testing methods for carbon materials for aluminum - Part 14: Determination of flexural strength Three-point method

YS/T 63.15-2023 - Testing methods of carbon materials for aluminum - Part 15: Determination of compressive strength

YS/T 63.18-2025 - Part 18: Determination of water content

YS/T 63.20-2023 - Testing methods for carbon materials for aluminum - Part 20: Determination of sulfur content

YS/T 63.21-2025 - Part 21: Determination of expansion/shrinkage during baking for cathodic pastes

YS/T 63.22-2009 - Carbonaceous materials used in the production of aluminium. Part 22: Determination of baking level expressed by equivalent temperature

YS/T 63.23-2012 - Carbonaceous materials used in the production of aluminium. Part 23: Baked anodes. Determination of the reactivity to air. Thermogravimetric method

YS/T 63.24-2012 - Carbonaceous materials used in the production of aluminium. Part 24: Baked anodes. Determination of the reactivity to carbon dioxide. Thermogravimetric method

YS/T 63.25-2012 - Carbonaceous materials used in the production of aluminium. Part 25: Cathode blocks. Determination of expansion due to sodium penetration without application of pressure

YS/T 63.26-2012 - Carbonaceous materials used in the production of aluminium. Part 26: Dense refractory bricks. Determination of cryolite resistance

YS/T 63.27-2024 - Testing methods for carbon materials for aluminum - Part 27: Determination of fracture energy of prebaked anodes

5 Classification and status

International classification (ICS): 71.100.10

Chinese Standard Classification (CCS): Q 52

Prefix YS/T: recommended standard.

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