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ICS 13.230
CCS C67

AQ

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# AQ 4232-2013

## Safety specification for dust explosion protection in rubber and plastic processing system

塑料生产系统粉尘防爆规范

**(English Translation)**

**Issued on: December 13, 2025** **Implemented on: November 1, 2026**

**Issued by: Ministry of Emergency Management**

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## 1 Foreword

AQ 4232-2013 was issued by Ministry of Emergency Management on 13 December 2025 and has been in force since 1 November 2026.

The AQ prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 10 pages in English translation.

## 2 Scope Preview

This standard specifies the classification and scope of dust explosion hazard zones in rubber and plastic product processing systems, basic requirements, building (structure) requirements, process system and equipment requirements, dust removal system requirements, explosion control measures, and operational safety management requirements, and describes the corresponding verification methods. This standard applies to the dust explosion-proof safety management of production, processing, storage, transportation, or recycling systems for rubber, plastic, and resin granules or powders, including tire manufacturing, rubber or plastic sheet, belt, pipe, and ring manufacturing, electrostatic powder coating, and other processes that generate rubber, plastic, and resin dust, such as crushing, polishing, and grinding.

AQ 4232-2013 falls under ICS 13.230, in the field of environment and health protection, safety.

This catalogue holds 173 other AQ standards in that field.

In this catalogue, AQ standards carry edition years from 2004 to 2026.

## 3 About this standard

Sector: Industrial Safety Standard

Issued by: Ministry of Emergency Management



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English translation: about 10 pages (approximate)

Chinese original: about 15,149 characters

## 4 Related standards

Other editions:

AQ 4232-2025 (later edition)

Standards on related subjects:

GB 15577-2018 - Safety regulations for dust explosion prevention and protection

GB/T 15605-2008 - Guide for pressure venting of dust explosions

AQ 3001-2005 - Technology-separate and explosion-proof of gasoline, gas filling station and light-fuel, LPG tank of transportation by truck

AQ 4241-2015 - Technical specifications for dust explosion protection of dust removal equipment in textile industry

AQ 4229-2013 - Safety specification for the protection of dust explosion for grain silos

## 5 Classification and status

International classification (ICS): 13.230

Chinese Standard Classification (CCS): C 67

Prefix AQ: mandatory standard.



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