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# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# GB/T 21871-2025

Replacing GB/T 21871-2017

## Rubber compounding ingredients - abbreviated terms

橡胶配合剂 缩略语

**(English Translation)**

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## Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document replaces GB/T 21871-2017 "Abbreviations for Rubber Compounding Agents". Compared with GB/T 21871-2017, the only changes are structural adjustments.

Aside from editorial changes, the main technical changes are as follows.

---Added 10 abbreviations. AB, BPEH, CMBT, DBBS, DBMEB, DBPB, DTGCB, FeDMC, PMPDC, and TMU.

Abbreviations (see Chapter 5);

---The DTBP abbreviation has been removed (see Chapter 5 of the 2017 edition);



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---Added two abbreviations. DBDPD and ZBBT (see Chapter 6);

---Added the abbreviation PHT (see Chapter 7);

---Added 5 abbreviations. CCPD, DCD, TMPTA, TSDPA, and 44PD (see Chapter 8);

---Add a line to Table 4 with the abbreviation "m-" and the description "interposition" (see Chapter 8);

---The abbreviation DTPD has been removed (see Chapter 6 of the 2017 edition).

This document adopts ISO 6472:2024 "Abbreviations for rubber compounding agents".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Petroleum and Chemical Industry Federation.

This document is under the jurisdiction of the National Technical Committee on Standardization of Rubber and Rubber Products (SAC/TC35).

## 1 Scope

This document defines abbreviations for rubber compounding agents with known, specific chemical compositions.

## 2 Normative references

This document has no normative references.

## 3 Terms and Definitions

This document does not contain any terms or definitions that need to be defined.

## 4 Symbol Usage

### 4.1

The symbols and abbreviations in this document use common industrial and commercial terminology, rather than any systematic naming convention. This document is consistent with existing commercial...

Product name and trademark name are not contradictory, but rather complementary.

### 4.2

When symbols and abbreviations first appear in a text, they should be enclosed in parentheses and placed after the detailed chemical name.



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**4.3**

The abbreviations in this document are not comprehensive. Other new abbreviations for rubber compounding agents will be added when the standard is revised.

**4.4**

This document provides the IUPAC (International Union of Pure and Applied Chemistry) name, common chemical name, and CAS number (Chemical Abstracts).

(Social Registration Number). Under certain conditions, other commonly used and recognized chemical names may be provided.

**4.5**

In ISO 1043-3, phosphates are represented by the letter F; in this document, they are represented by the letter P. This is because P is commonly used to represent phosphates and other compounds containing...

Phosphorus compounds, F is commonly used to represent fluorine and its compounds, and this usage will minimize confusion about substances when using this document.

## 5 Accelerators and vulcanizing agents

Table 1 shows the abbreviations, chemical names, IUPAC names, and CAS numbers of accelerators and vulcanizing agents.

Table 1 Accelerators and vulcanizing agents

Serial number, abbreviation, chemical name, IUPAC name, and CAS number

1 AB

ammoniumbenzoate

Ammonium benzoate

IUPAC. ammonium benzoate Ammonium benzoate CAS No.. 1863-63-4

2 BA

butyraldehyde-anilinecondensate Butyraldehyde-aniline condensate IUPAC. not possible Does not exist CAS No.. 68411-20-1



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