

Rubber compounding ingredients — Abbreviations

ICS 83.040.20

National foreword

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The UK participation in its preparation was entrusted to Technical Committee PRI/10, Terminology for rubbers and plastics, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the ISO title page, pages ii to iv, pages 1 to 17 and a back cover.

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Rubber compounding ingredients — Abbreviations

Ingrédients de mélange du caoutchouc — Abréviations



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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 6472 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*.

This third edition cancels and replaces the second edition (ISO 6472:1994), which has been technically revised.

Rubber compounding ingredients — Abbreviations

1 Scope

This International Standard establishes unambiguous abbreviations for commonly used rubber compounding ingredients of known, specific chemical composition.

2 Use of symbols

2.1 The abbreviations are derived from common usage in industry and commerce rather than from any systematic nomenclature. The list is not intended to conflict with, but rather to act as a supplement to, existing trade-names and trademarks.

2.2 The first appearance of the symbols in texts shall be enclosed in parentheses and shall be preceded by the chemical name written in full.

2.3 The list does not purport to be comprehensive, and abbreviations for other compounding ingredients will be added in future revisions.

2.4 International Union of Pure and Applied Chemistry (IUPAC) nomenclature is provided where this is available, in addition to the commonly used chemical name or names. In some instances, alternative commonly used chemical names are given where they are recognized. Where available, a Chemical Abstracts Registry number (CAS RN) is also provided.

3 Accelerators, co-agents and vulcanizing agents

BA	butyraldehyde-aniline condensate IUPAC: not possible CAS RN: 9003-37-6
BiDMC	bismuth dimethyldithiocarbamate IUPAC: bismuth bis(dimethyldithiocarbamate) CAS RN: 21260-46-8
BPO	benzoyl peroxide IUPAC: dibenzoyl peroxide CAS RN: 94-36-0
BPV	<i>n</i> -butyl bis(4,4- <i>tert</i> -butylperoxy)valerate; 3,3-bis(<i>tert</i> -butylperoxy)butane carboxylic acid <i>n</i> -butyl ester IUPAC: butyl 4,4-bis(<i>tert</i> -butyldioxy)valerate CAS RN: 995-33-5
BQD	<i>p</i> -benzoquinone dioxime IUPAC: same CAS RN: 105-11-3

CBS	<i>N</i> -cyclohexylbenzothiazole-2-sulfenamide; <i>N</i> -cyclohexylbenzothiazyl sulfenamide IUPAC: <i>N</i> -cyclohexyl-1,3-benzothiazole-2-sulfenamide CAS RN: 95-33-0
CdDEC	cadmium diethyldithiocarbamate IUPAC: cadmium bis(diethyldithiocarbamate) CAS RN: 14239-68-0
CdDMC	cadmium dimethyldithiocarbamate IUPAC: cadmium bis(dimethyldithiocarbamate) CAS RN: 14949-60-1
CuDMC	copper dimethyldithiocarbamate IUPAC: copper bis(dimethyldithiocarbamate) CAS RN: 137-29-1
DBA	dibenzylamine IUPAC: same CAS RN: 103-49-1
DBPC	1,1-bis(<i>tert</i> -butylperoxy)-3,5,5-trimethylcyclohexane; 1,3,3-trimethyl-5,5-di- <i>tert</i> -butylperoxycyclohexane IUPAC: di- <i>tert</i> -butyl 3,3,5-trimethylcyclohexylidene diperoxide CAS RN: 6731-36-8
DBQD	<i>p,p'</i> -dibenzoyl- <i>p</i> -benzoquinone dioxime; quinone dioxime dibenzoate IUPAC: <i>p</i> -benzoquinone bis(<i>O</i> -benzoyloxime) CAS RN: 120-52-5
DBTU	1,3-dibutylthiourea IUPAC: 1,3-dibutyl-2-thiourea CAS RN: 109-46-6
DBXD	dibutylxanthogen disulfide IUPAC: <i>O,O</i> -dibutyl dithiobis(thioformate) CAS RN: 105-77-1
DCBP	2,4-dichlorobenzoyl peroxide IUPAC: bis(2,4-dichlorobenzoyl) peroxide CAS RN: 133-14-2
DCBS	<i>N,N</i> -dicyclohexylbenzothiazole-2-sulfenamide; <i>N,N</i> -dicyclohexylbenzothiazyl sulfenamide IUPAC: <i>N,N</i> -cyclohexyl-1,3-benzothiazole-2-sulfenamide CAS RN: 4979-32-2
DCP	dicumyl peroxide IUPAC: bis(1-methyl-1-phenylethyl) peroxide CAS RN: 80-43-3
DETU	1,3-diethylthiourea IUPAC: 1,3-diethyl-2-thiourea CAS RN: 534-13-4