

# INTERNATIONAL STANDARD

ISO  
1043-2

First edition  
1988-10-15

Corrected and reprinted  
1991-07-15



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION  
ORGANISATION INTERNATIONALE DE NORMALISATION  
МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ

**Plastics — Symbols —**

**Part 2:**  
**Fillers and reinforcing materials**

iteh STANDARD PREVIEW  
(standards.iteh.ai)

*Plastiques — Symboles —*

*Partie 2: Charges et matériaux de renforcement*

ISO 1043-2:1988

<https://standards.iteh.ai/catalog/standards/sist/7da21977-a62e-431e-aa4f-a21af1a3c9b5/iso-1043-2-1988>

Reference number  
ISO 1043-2: 1988 (E)

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 1043-2 was prepared by Technical Committee ISO/TC 61, *Plastics*.

Together with ISO 1043-1 and ISO 1043-3, it cancels and replaces ISO 1043 : 1978, of which it constitutes an extension and a partial revision.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

# Plastics — Symbols —

## Part 2: Fillers and reinforcing materials

### iTeh STANDARD PREVIEW (standards.iteh.ai)

#### 1 Scope and field of application

This part of ISO 1043 provides uniform symbols for terms relating to fillers and reinforcing materials. It includes only those symbols that have come into established use, and its aim is to prevent the occurrence of more than one symbol for a given filler or reinforcing material, and to prevent the interpretation of a given symbol in more than one way.

NOTE — For symbols for basic polymers and their special characteristics, see ISO 1043-1; for symbols for plasticizers, see ISO 1043-3.

#### 2 References

ISO 1043, *Plastics — Symbols*

- *Part 1: Basic polymers and their special characteristics.*
- *Part 3: Plasticizers.*

#### 3 Use of the symbols

**3.1** The symbols for fillers and reinforcing materials are given in clause 4.

**3.2** The type of filler or reinforcing material is given by the first letter, and its physical form or structure by the second.

**3.3** Mixtures of materials or forms may be shown in parentheses by combining the relevant symbols by the sign “+”. For example, a mixture of glass fibres (GF) and mineral powder (MD) can be indicated by (GF + MD).

**3.4** Only capital letters shall be used.

#### 4 Symbols for fillers and reinforcing materials

Symbol	Material	Symbol	Form / Structure
B	boron	B	beads, spheres, balls
C	carbon <sup>1)</sup>	C	chips, cuttings
E	clay	D	powder
G	glass	F	fibre
K	calcium carbonate	G	ground
L	cellulose <sup>1)</sup>	H	whisker
M	mineral <sup>1) 2)</sup> , metal <sup>1)</sup>	K	knitted fabric
P	mica <sup>1)</sup>	L	layer
Q	silica	M	mat (thick)
R	aramid	N	non-woven (fabric, thin)
S	synthetic, organic <sup>1)</sup>	P	paper
T	talcum	R	roving
W	wood <sup>1)</sup>	S	scale, flake
X	not specified	T	cord
Z	others <sup>1)</sup>	V	veneer
		W	woven fabric
		X	not specified
		Y	yarn
		Z	others <sup>1)</sup>

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

ISO 1043-2:1988  
<https://standards.iteh.ai/catalog/standards/sist/7da21977-a62e-431e-aa4f-a21af1a3c9b5/iso-1043-2-1988>

1) These materials may be further defined by their chemical symbol, for example, or additional symbols defined in the relevant International Standard. In the case of metals (M) it is essential to indicate the type of metal by means of its chemical symbol.

2) Mineral fillers should be designated more precisely if a symbol is available, e.g. "E", "P".

**UDC [678.5/.8].046 : 003.292**

**Descriptors:** plastics, extenders, reinforcing materials, symbols, codes, abbreviations, designation.

Price based on 2 pages