
International Standard



1163/1

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Plastics — Unplasticized compounds of homopolymers and copolymers of vinyl chloride Part 1 : Designation

Plastiques — Compositions non plastifiées d'homopolymères et copolymères de chlorure de vinyle — Partie 1 : Désignation

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

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.

International Standard ISO 1163/1 was developed by Technical Committee ISO/TC 61, *Plastics*, and was circulated to the member bodies in September 1976.

It has been approved by the member bodies of the following countries:

Australia	Hungary	Poland
Austria	India	Portugal
Belgium	Iran	Romania
Brazil	Ireland	Spain
Canada	Israel	Sweden
Chile	Italy	Switzerland
Czechoslovakia	Japan	Turkey
Finland	Korea, Rep. of	United Kingdom
France	Mexico	USA
Germany, F.R.	New Zealand	Yugoslavia

The member bodies of the following countries expressed disapproval of the document on technical grounds:

Netherlands
South Africa, Rep. of

This International Standard cancels and replaces ISO Recommendation R 1163-1970, of which it constitutes a technical revision.

Plastics — Unplasticized compounds of homopolymers and copolymers of vinyl chloride — Part 1 : Designation

1 Scope and field of application

This part of ISO 1163 specifies a method of designation of unplasticized compounds of homopolymers and copolymers of vinyl chloride, principally as a function of their physical form, their end-use and their Vicat softening temperature. These indications may be supplemented, for the three properties listed in the table, by the figures of the corresponding classes.

ISO 1163/2 will specify the corresponding methods for the determination of these properties.

2 References

ISO 178, *Plastics — Determination of flexural properties of rigid plastics.*

ISO/R 179, *Plastics — Determination of the Charpy impact resistance of rigid plastics (Charpy impact flexural test).*

ISO 306, *Plastics — Determination of the Vicat softening temperature of thermoplastics.*

ISO 1163/2, *Plastics — Unplasticized compounds of homopolymers and copolymers of vinyl chloride — Part 2 : Determination of properties.*

ISO/R 1183, *Plastics — Methods for determining the density and relative density (specific gravity) of plastics excluding cellular plastics.*

3 Definition

For the purposes of this International Standard, the following definition applies :

unplasticized compounds of polymers of vinyl chloride : Compounds based on homopolymers of vinyl chloride or copolymers with at least 50 % of vinyl chloride, or chlorinated poly(vinyl chloride), or mixtures of such polymers with each

other or with other polymers, the principal ingredient being a polymer of vinyl chloride.

These compounds may also contain fillers, colorants, and such small quantities of other ingredients as are necessary to facilitate fabrication, such as stabilizers and lubricants.

4 Designation

Unplasticized compounds of polymers of vinyl chloride are designated by the items listed in 4.1 to 4.4 and, if required, 4.5.

4.1 The symbol \neq PVC.

4.2 One letter for the physical form.

D = dry blend

G = granule

4.3 One letter for the end-use.

B = Blow moulding

C = Coating extrusion

D = Disks

E = General extrusion

F = Film and sheet extrusion

H = Calendering

L = Monofilaments

M = Injection moulding

P = Pipe extrusion

R = Rotational moulding

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