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STN	**Rúry z nemäkčeného polyvinylchloridu (PVC-U) Stanovenie odolnosti proti dichlórmetánu pri špecifikovanej teplote (DCMT) Skúšobná metóda (ISO 9852: 2007)**	**STN EN ISO 9852** 64 0830

Unplasticized poly(vinyl chloride) (PVC-U) pipes - Dichloromethane resistance at specified temperature (DCMT) - Test method (ISO 9852:2007)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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English Version

Unplasticized poly(vinyl chloride) (PVC-U) pipes - Dichloromethane resistance at specified temperature (DCMT) - Test method (ISO 9852:2007)

Tubes en poly(chlorure de vinyle) non plastifié (PVC-U) - Résistance au dichlorométhane à une température spécifiée (DCMT) - Méthode d'essai (ISO 9852:2007)

Rohre aus weichmacherfreiem Polyvinylchlorid (PVC-U) - Beständigkeit gegen Dichlormethan bei einer festgelegten Temperatur (DCMT) - Prüfverfahren (ISO 9852:2007)

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EN ISO 9852:2017 (E)

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European Foreword

The text of ISO 9852:2007 has been prepared by Technical Committee ISO/TC 138 “Plastics pipes, fittings and valves for the transport of fluids” of the International Organization for Standardization (ISO) and has been taken over as EN ISO 9852:2017 by Technical Committee CEN/TC 155 “Plastics piping systems and ducting systems” the secretariat of which is held by NEN.

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Endorsement notice

The text of ISO 9852:2007 has been approved by CEN as a EN ISO 9852:2017 without any modification.

INTERNATIONAL STANDARD

ISO 9852

Second edition
2007-05-01

Unplasticized poly(vinyl chloride) (PVC-U) pipes — Dichloromethane resistance at specified temperature (DCMT) — Test method

Tubes en poly(chlorure de vinyle) non plastifié (PVC-U) — Résistance au dichlorométhane à une température spécifiée (DCMT) — Méthode d'essai

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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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ISO 9852 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 5, *General properties of pipes, fittings and valves of plastic materials and their accessories — Test methods and basic specifications*.

This second edition cancels and replaces the first edition (ISO 9852:1995), which has been revised to align it with EN 580:2003.

The principal modifications are the following:

— the wall thickness ranges “$8 \leqslant e \leqslant 16$” and “$e > 16$” in Table 1 have been changed to “$8 \leqslant e < 16$” and “$16 \leqslant e$”, respectively, to align them with those in EN 580:2003;

— the surface of the dichloromethane layer has been reduced to the minimum and the thickness of the water layer covering the dichloromethane increased (see 6.2);

— after immersion in the dichloromethane, the test piece is held in the water layer to allow it to “drip” before final drying and inspection (see 7.4);

— in the event of the pipe being attacked (see 8.2), giving a description of the attack has become optional, dealt with in a new Annex A (informative).

— the lower limit for the test temperature (12 °C) has been moved to 6.3, and Annex A, “Basic specification”, has been deleted;

— a typical test arrangement, with the deeper water layer (acting both as a block to evaporation and as a “drip” zone), is shown in a new Annex B.

These modifications allow the consumption of dichloromethane to be reduced, thus improving the environment for the staff conducting the test without reducing the number of tests. Experience has shown that this modified procedure and test arrangement can result in a reduction of dichloromethane consumption of more than 90 %.

Introduction

The maximum temperature at which unplasticized poly(vinyl chloride) (PVC-U) pipe is not attacked by dichloromethane gives an indication of the level and homogeneity of gelation of the PVC material in the pipe. This characteristic is related to the mechanical properties and, in particular, the long-term performance of the pipe.

INTERNATIONAL STANDARD **ISO 9852:2007(E)**

Unplasticized poly(vinyl chloride) (PVC-U) pipes — Dichloromethane resistance at specified temperature (DCMT) — Test method

1 Scope

This International Standard specifies a method for determining the resistance of unplasticized poly(vinyl chloride) (PVC-U) pipes to dichloromethane at a specified temperature (DCMT).

It is applicable to all PVC-U pipes, irrespective of their intended use.

The method can be used as a rapid means of quality control during manufacture.

NOTE The temperature of the dichloromethane up to which the pipe shall not be attacked is specified in the referring standard.