October 2009

DIN 8079

DIN

ICS 23.040.20

Supersedes
DIN 8079:1997-12

Chlorinated polyvinyl chloride (PVC-C) pipes – Dimensions
English version of DIN 8079:2009-10

Rohre aus chloriertem Polyvinylchlorid (PVC-C) –
Maße
Englische Übersetzung von DIN 8079:2009-10

Tuyaux en chlorure de polyvinyle chloré (PVC-C) –
Dimensions
Traduction anglaise de DIN 8079:2009-10

Document comprises 15 pages

Translation by DIN-Sprachendienst.
In case of doubt, the German-language original shall be considered authoritative.

06.10 1618002

A comma is used as the decimal marker.

Contents

Foreword

This document has been prepared by Working Committee NA 054-05-01 AA *Außendurchmesser und Betriebsdrücke* of the *Normenausschuss Kunststoffe* (FNK) (Plastics Standards Committee).

See Annex A for the relationship to International Standard ISO 161-1 published by the International Organization for Standardization.

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

Amendments

This standard differs from DIN 8079:1997-12 as follows:

a) The title has been changed.

b) The content has been editorially revised.

c) Material designation PVC-C 250 has been deleted.

d) Pipe series S = 16 has been deleted from the tables giving dimensions and working pressures.

Previous editions

DIN 8079: 1974-02, 1991-06, 1997-12

1 Scope

This standard applies to chlorinated polyvinyl chloride (PVC-C) pipes that meet the requirements of DIN 8080.

Attention is brought to the fact that there are European product standards which apply to specific applications; these are to be complied with where relevant. Some of these product standards are listed in the bibliography for the information of users of this standard. Please note that because European Standards are continually being developed, this list is not exhaustive.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

DIN 8080, *Chlorinated polyvinyl chloride (PVC-C) pipes — General quality requirements, testing*

DIN EN ISO 12162, *Thermoplastics materials for pipes and fittings for pressure applications — Classification, designation, and design coefficient*

ISO 4065, *Thermoplastic pipes — Universal wall thickness table*

ISO 11922-1, *Thermoplastics pipes for the conveyance of fluids — Dimensions and tolerances — Part 1: Metric series*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
pipe series number
S
nominal pipe series number taken from ISO 4065

NOTE To calculate wall thickness e using equation (1), the “calculated values” for S specified in ISO 4065 are to be used.

$$e = \frac{d}{2S+1} \tag{1}$$

3.2
standard dimension ratio
SDR
ratio of the nominal outside diameter of a pipe to its nominal wall thickness

NOTE Calculated using equation (2).

$$SDR = 2S + 1 \approx \frac{d}{e} \tag{2}$$

where S is the nominal pipe series number.