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Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling

Systèmes de canalisations thermoplastiques pour applications sans pression — Méthode d'essai de résistance à des cycles de température élevée

Reference number
ISO 13257:2010(E)

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Foreword

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ISO 13257 was prepared by Technical Committee ISO/TC 138, *Plastics pipes, fittings and valves for the transport of fluids*, Subcommittee SC 1, *Plastics pipes and fittings for soil, waste and drainage (including land drainage)*.

Thermoplastics piping systems for non-pressure applications — Test method for resistance to elevated temperature cycling

1 Scope

This International Standard specifies a method for testing the resistance of thermoplastics piping systems for soil and waste discharge inside buildings, application area “B”, or buried in the ground within the building structure, application areas “BD” or “UD”, to 1 500 cycles of elevated temperature cycling.

NOTE This method assesses leaktightness and resistance to sagging.

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.

ISO/TS 7024, *Plastics piping systems for soil and waste discharge (low and high temperature) inside buildings — Thermoplastics — Recommended practice for installation*

3 Terms and definitions, and symbols

3.1 Terms and definitions

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

3.1.1
nominal outside diameter
d_n
specified diameter assigned to a nominal size (DN/OD or DN/ID)

NOTE It is expressed in millimetres.

3.1.2
expansion gap
E
distance between the bottom of a socket and the spigot of the inserted component allowing expansion of the system

NOTE Adapted from ISO/TS 7024:2005, definition 3.2.4.

3.1.3
free length between fixed points
L_F
maximum permitted span between support centres in an above-ground installation