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Agricultural irrigation equipment — PVC above-ground low-pressure pipe for surface irrigation — Specifications and test methods

Matériel agricole d'irrigation — Tube en PVC, posé au-dessus du sol et utilisé avec basse pression pour l'irrigation en surface — Spécifications et méthodes d'essai

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

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1 Scope

This International Standard specifies the requirements for unplasticized polyvinyl chloride (PVC) piping, used to supply and to distribute low-pressure irrigation water through gates. It is applicable to PVC piping with diameters of from 50 mm to 315 mm, operating at low pressures and exposed to sunlight.

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 1167-1, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 1: General method*

ISO 1167-2, *Thermoplastics pipes, fittings and assemblies for the conveyance of fluids — Determination of the resistance to internal pressure — Part 2: Preparation of pipe test pieces*

ISO 2505 (all parts), *Thermoplastics pipes — Longitudinal reversion*

ISO 2507-1, *Thermoplastics pipes and fittings — Vicat softening temperature — Part 1: General test method*

ISO 2507-2, *Thermoplastics pipes and fittings — Vicat softening temperature — Part 2: Test conditions for unplasticized poly(vinyl chloride) (PVC-U) or chlorinated poly(vinyl chloride) (PVC-C) pipes and fittings and for high impact resistance poly (vinyl chloride) (PVC-HI) pipes*

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

3 Terms and definitions

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

3.1
bell
receiving shape at one end of a section of pipe that serves as a watertight seal when the spigot end of an adjoining pipe section is inserted into the bell

3.2
bevel
smoothed annular and angular area at the end of the spigot for assisting in the coupling of the bell and spigot joint