

# ISO 9261:2004-01 (E)

## Agricultural irrigation equipment - Emitters and emitting pipe - Specification and test methods

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Classification .....	4
4.1	Reusability (emitting pipes) .....	4
4.2	Type of pressure regulation .....	4
4.3	Type of operation at low pressure .....	5
4.4	Type of emitter connection to the pipe .....	5
4.5	Type of multiple-outlet emitter .....	5
5	Designation (emitting pipes) .....	5
6	Marking .....	5
6.1	Emitting pipe .....	5
6.2	Emitter .....	6
6.3	Fittings .....	6
6.4	Packaging of emitting pipes .....	6
6.5	Packaging of fittings .....	7
7	Construction and materials .....	7
7.1	General .....	7
7.2	Dimensions (emitting pipe) .....	7
7.3	Materials .....	7
7.4	Fittings (emitting pipe) .....	7
7.5	Connection to irrigation lateral (in-line emitter) .....	8
8	Test specimens and conditions .....	8
8.1	Test specimens .....	8
8.2	Order of tests .....	8
8.3	Test conditions .....	8
8.4	Accuracy of measuring devices .....	8
9	Test methods and requirements .....	8
9.1	Uniformity of flow rate .....	8
9.2	Flow rate as a function of inlet pressure .....	9
9.3	Determination of emitter/emitting unit exponent .....	10
9.4	Dimensions .....	11
9.5	Resistance to hydraulic pressure .....	12
9.6	Resistance to tension (emitting pipe) .....	12
9.7	Resistance to pull-out of joints between fittings and polyethylene reusable emitting pipes .....	13
9.8	Emitter pull-out .....	13
9.9	Watertightness of the emitter-pipe assembly .....	14
9.10	Resistance of polyethylene (PE) emitting pipe to environmental stress-cracking .....	15
10	Data supplied by manufacturer .....	15
Bibliography .....		16