

ISO 11296-3:2018 (E)

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks — Part 3: Lining with close-fit pipes

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
3.1	General
3.2	Techniques
3.3	Characteristics
3.4	Materials
3.5	Product stages
3.6	Service conditions
3.7	Joints
4	Symbols and abbreviated terms
5	Pipes at the “M” stage
5.1	Materials
5.1.1	General
5.1.2	Distinction between PVC-U types
5.1.3	Virgin material
5.1.4	Reprocessible material and recyclable material
5.1.4.1	Reprocessible material
5.1.4.2	Recyclable material
5.2	General characteristics
5.2.1	Appearance
5.2.2	Colour
5.3	Material characteristics
5.4	Geometric characteristics
5.5	Mechanical characteristics
5.6	Physical characteristics
5.7	Jointing
5.8	Marking
6	Fittings at the “M” stage
7	Ancillary components
8	Fitness for purpose of the installed lining system at the “I” stage
8.1	Materials
8.2	General characteristics
8.3	Material characteristics
8.4	Geometric characteristics
8.5	Mechanical characteristics
8.6	Physical characteristics
8.7	Additional characteristics
8.8	Sampling
9	Installation practice
9.1	Preparatory work

- 9.2 Storage, handling and transport of pipes and fittings
- 9.3 Equipment
- 9.3.1 Butt fusion equipment and debanding equipment
- 9.3.2 Reduction equipment
- 9.3.3 Pipe skids/rollers
- 9.3.4 Winching and rod-pulling equipment
- 9.3.5 Pipe entry guides
- 9.3.6 Reforming equipment
- 9.3.7 Electrofusion equipment
- 9.3.8 Inspection equipment
- 9.3.9 Lifting equipment
- 9.4 Installation
- 9.5 Process-related inspection and testing
- 9.6 Lining termination
- 9.7 Reconnection to existing manholes and laterals
- 9.8 Documentation
- 9.9 Final inspection and testing

Annex A (normative) Factory-folded heat-reverted polyethylene (PE) pipe — Determination of memory ability

- A.1 General
- A.2 Principle
- A.3 Testing
- A.3.1 Sampling
- A.3.2 Procedure
- A.3.3 Requirements
- A.4 Test report

Page count: 15