ISO 11298-3:2018 (E)

Plastics piping systems for renovation of underground water supply 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
 - 4.1 Symbols
 - 4.2 Abbreviated terms
- 5 Pipes at the "M" stage
 - 5.1 Materials
 - 5.1.1 Virgin material
 - 5.1.2 Reprocessable and recyclable material
 - 5.1.2.1 Reprocessable material
 - 5.1.2.2 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
 - 5.9 Regional requirements for pipes
 - Fittings at the "M" stage
 - 6.1 Requirements
 - 6.2 Marking

6

- 6.3 Regional requirements for fittings
- 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
- 8.9 Regional requirements for the installed lining system

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 and debeading 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 the existing pipeline system
- 9.8 Final inspection and testing
- 9.9 Documentation
- 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: 16