ISO 11298-1:2018-03 (E)

Plastics piping systems for renovation of underground water supply networks - Part 1: General

Contents

Page

Foreword v

Introduction vi

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols and abbreviated terms 8
4.1 Symbols 8
4.2 Abbreviated terms 8

5 Pipes at the "M" stage 9
5.1 Materials 9
5.2 General characteristics 9
5.3 Material characteristics 9
5.4 Geometric characteristics 9
5.5 Mechanical characteristics 9
5.6 Physical characteristics 9
5.7 Jointing 9
5.8 Marking 9

6 Fittings at the "M" stage 10
6.1 Materials 10
6.2 General characteristics 10
6.3 Material characteristics 10
6.4 Geometric characteristics 10
6.5 Mechanical characteristics 10
6.6 Physical characteristics 10
6.7 Jointing 10
6.8 Marking 10

7 Ancillary components 11

8 Fitness for purpose of the installed lining system at the "I" stage 11
8.1 Materials 11
8.2 General characteristics 11
8.3 Material characteristics 12
8.3.1 Effect on water quality 12
8.3.2 Sealing rings 12
8.4 Geometric characteristics 12
8.5 Mechanical characteristics 12
8.6 Physical characteristics 13
8.7 Additional characteristics 13
8.8 Sampling 13
8.9 Regional requirements for the installed lining system 13

9 Installation practice 13
9.1 Preparatory work 13

9.2 Storage, handling and transport of pipes and fittings 13
9.3 Equipment 13
9.3.1 General 13
9.3.2 Inspection equipment 13
9.3.3 Lifting equipment 13
9.4 Installation 14
9.4.1 General 14
9.4.2 Safety precautions 14
9.4.3 Simulated installations 14
9.5 Process-related inspection and testing 14

9.6 Lining termination 15
9.7 Reconnection to the existing pipeline system 15
9.8 Final inspection and testing 15
9.9 Documentation 15

Bibliography 16