

ISO 11297-1:2018-03 (E)

Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 1: General

Contents		Page
Foreword		v
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols and abbreviated terms	8
4.1	Symbols	8
4.2	Abbreviated terms	9
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	10
5.8	Marking	10
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	11
6.7	Jointing	11
6.8	Marking	11
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
8.4	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	14
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	15
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