

ISO 11297-4:2018-02 (E)

Plastics piping systems for renovation of underground drainage and sewerage networks under pressure - Part 4: Lining with cured-in-place pipes

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Symbols and abbreviated terms	3
4.1	Symbols	3
4.2	Abbreviated terms	3
5	Pipes at the "M" stage	4
5.1	Materials	4
5.2	Characteristics	4
5.3	Marking	4
6	Fittings at the "M" stage	4
7	Ancillary components	4
8	Fitness for purpose of the installed lining system at the "I" stage	4
8.1	Materials	4
8.2	General characteristics	5
8.3	Material characteristics	5
8.4	Geometric characteristics	5
8.4.1	General	5
8.4.2	CIPP wall structure	5
8.4.3	Wall thickness	6
8.5	Mechanical characteristics	6
8.5.1	Reference conditions for testing	6
8.5.2	Test requirements	6
8.6	Physical characteristics	8
8.7	Additional characteristics	8
8.7.1	Resistance to strain and stress corrosion	8
8.7.2	Leak tightness of liner terminations	9
8.8	Sampling	9
9	Installation practice	10
9.1	Preparatory work	10
9.2	Storage, handling and transport of pipe components	10
9.3	Equipment	10
9.4	Installation	10
9.5	Process-related inspection and testing	10
9.6	Lining termination	10
9.7	Reconnections to the existing pipeline system	10
9.8	Final inspection and testing	10
9.9	Documentation	11
Bibliography		12