

DIN EN ISO 11296-1:2011-07 (E)

Plastics piping systems for renovation of underground non-pressure drainage and sewerage networks - Part 1: General (ISO 11296-1:2009)

Contents		Page
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
3.1	General terms	7
3.2	Techniques	9
3.3	Characteristics	10
3.4	Origin of materials	11
3.5	Product stages	12
4	Symbols and abbreviated terms	12
4.1	Symbols	12
4.2	Abbreviated terms	12
5	Pipes at the "M" stage	13
5.1	Materials	13
5.2	General characteristics	13
5.3	Material characteristics	13
5.4	Geometric characteristics	13
5.5	Mechanical characteristics	13
5.6	Physical characteristics	13
5.7	Jointing	13
5.8	Marking	13
6	Fittings at the "M" stage	14
6.1	Materials	14
6.2	General characteristics	14
6.3	Material characteristics	14
6.4	Geometric characteristics	14
6.5	Mechanical characteristics	14
6.6	Physical characteristics	14
6.7	Jointing	14
6.8	Marking	14
7	Ancillary components	15
8	Fitness for purpose of the installed lining system at the "I" stage	15
8.1	Materials	15
8.2	General characteristics	15
8.3	Material characteristics	15
8.4	Geometric characteristics	15
8.5	Mechanical characteristics	16
8.6	Physical characteristics	16
8.7	Additional characteristics	16
8.8	Sampling	16
9	Installation practice	16
9.1	Preparatory work	16
9.2	Storage, handling and transport of pipe and fittings	16
9.3	Equipment	16

9.4	Installation	17
9.5	Process-related inspection and testing	18
	Foreword	
	Introduction	5
9.6	Lining termination	18
9.7	Reconnection to existing manholes and laterals	18
9.8	Final inspection and testing	18
9.9	Documentation	18
	Bibliography	19