

DIN EN ISO 11299-3:2013-05 (E)

Plastics piping systems for renovation of underground gas supply networks - Part 3: Lining with close-fit pipes (ISO 11299-3 :2011)

Contents		Page
Foreword		3
Introduction		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
3.1	General	6
3.2	Techniques	7
3.3	Characteristics	7
3.4	Materials	7
3.5	Product stages	7
3.6	Service conditions	7
3.7	Joints	7
4	Symbols and abbreviated terms	8
4.1	Symbols	8
4.2	Abbreviated terms	8
5	Pipes at the "M" stage	8
5.1	Materials	8
5.2	General characteristics	9
5.3	Material characteristics	9
5.4	Geometric characteristics	9
5.5	Mechanical characteristics	9
5.6	Physical characteristics	10
5.7	Jointing	10
5.8	Marking	10
6	Fittings at the "M" stage	10
7	Ancillary components	10
8	Fitness for purpose of the installed lining system at the "I" stage	10
8.1	Materials	10
8.2	General characteristics	10
8.3	Material characteristics	10
8.4	Geometric characteristics	11
8.5	Mechanical characteristics	11
8.6	Physical characteristics	12
8.7	Additional characteristics	12
8.8	Sampling	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
9.4	Installation	14
9.5	Process-related inspection and testing	15

Annex A (normative) Factory-folded heat-reverted polyethylene (PE) pipe -- Determination of memory ability	16
Bibliography	18