

DIN EN 13598-1:2020-12 (E)

Plastics piping systems for non-pressure underground drainage and sewerage - Unplasticized poly(vinyl chloride) (PVC- U), polypropylene (PP) and polyethylene (PE) - Part 1: Specifications for ancillary fittings and shallow chambers

Contents		Page
European foreword		4
1	Scope	6
2	Normative references	7
3	Terms and definitions	9
4	Symbols and abbreviations	12
4.1	Symbols	12
4.2	Abbreviations	12
5	Material	12
5.1	Ancillary fittings	12
5.2	Shallow chambers	13
5.3	Sealing ring retaining components	13
6	General characteristics	13
6.1	Appearance	13
6.2	Colour	13
6.3	Assemblies	13
7	Geometrical characteristics	13
7.1	General	13
7.2	Dimensions	13
7.2.1	General	13
7.2.2	Design lengths	14
7.2.3	Dimensions of ancillary fittings	14
7.2.4	Dimensions of shallow chambers	14
7.3	Additional requirements for sealed access fittings	14
8	Mechanical characteristics	14
9	Physical characteristics	16
9.1	Injection moulded ancillary fittings	16
9.2	Fabricated ancillary fittings	16
10	Performance requirements	17
11	Sealing rings	19
12	Adhesives	19
13	Marking and additional documentation	19
13.1	General	19
13.2	Minimum required marking, sealed access fittings and rodding tees	19
13.3	Minimum required marking, mechanical saddles	20
13.4	Minimum required marking, shallow chambers	20
13.5	Additional documentation, shallow chambers	21

13.6	Additional documentation, mechanical saddles	21
	Annex A(normative) Utilization of non-virgin material for shallow chambers	22
A.1	Utilization of non-virgin materials	22
A.2	Material characteristics	24
	Annex B(normative) Test methods for mechanical saddles	26
B.1	General	26
B.2	Test equipment	26
B.3	Procedures	27
B.3.1	Resistance to vertical load - pipe stop test	27
B.3.2	Mechanical strength	28
B.3.3	Tightness under deformation	29
	Annex C(normative) Resistance to vertical loading of shallow chambers	31
	Bibliography	32