

DIN EN 1329-1:2018-05 (E)

Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 1: Specifications for pipes, fittings and the systems (includes Amendment A1:2018)

Contents		Page
Foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions, symbols and abbreviations	8
3.1	Terms and definitions	8
3.2	Symbols	11
3.3	Abbreviations	11
4	Material	12
4.1	Raw material	12
4.2	Additional requirement for pipe material for BD application	12
4.3	Additional requirement for fitting material for BD application	13
4.4	Utilization of non-virgin material	14
4.5	Sealing ring retaining means	14
5	General characteristics	14
5.1	Appearance	14
5.2	Colour	14
6	Geometrical characteristics	14
6.1	General	14
6.2	Dimensions of pipes	14
6.2.1	Outside diameter	14
6.2.2	Out-of-roundness	15
6.2.3	Effective length of pipes	15
6.2.4	Chamfering	16
6.2.5	Wall thickness	16
6.2.6	Dimensions of sockets	17
6.3	Dimensions of fittings	18
6.3.1	General	18
6.3.2	Outside diameters	19
6.3.3	Wall thicknesses	19
6.3.4	Types of fittings	23
6.3.5	Design lengths	24
6.4	Diameters and lengths of sockets and spigot	28
6.4.1	Adhesive joint sockets and spigot	28
6.4.2	Ring seal sockets and spigot	30
6.4.3	One-piece expansion couplings for adhesive joint sockets and spigot	34
7	Mechanical characteristics	35
7.1	Mechanical characteristics of pipes	35
7.1.1	General requirements	35
7.1.2	Additional requirements	37
7.2	Mechanical characteristics of fittings	37
8	Physical characteristics	38

8.1	Physical characteristics of pipes	38
8.2	Physical characteristics of fittings	39
9	Performance requirements	39
10	Sealing rings	40
11	Adhesives	41
12	Marking	41
12.1	General	41
12.2	Minimum required marking of pipes	41
12.3	Minimum required marking of fittings	42
12.4	Additional marking	43
Annex A (normative) Utilization of non-virgin material		44
A.1	Own reprocessed material	44
A.2	External reprocessed and recycled materials with agreed specifications	44
A.3	External reprocessed and recycled material not covered by an agreed specification	46
A.4	Summary of use of non-virgin material	47
Annex B (informative) Product standards		48
Annex C (informative) Correspondence between ISO test methods and CEN test methods		49
Bibliography		50