DIN EN 13476-1:2007-08 (E)

Plastics piping systems for non-pressure underground drainage and sewerage_- Structured-wall piping systems of unplasticized poly(vinyl chloride) (PVC-U), polypropylene (PP) and polyethylene (PE)_- Part_1: General requirements and performance characteristics

Contents		Page
Foreword		
Introduction		
	Scope	6
	Normative references	6
	Terms and definitions, symbols and abbreviations	7
3.1	Definitions	7
3.1.1	1 General definitions 2 Geometrical definitions	7 8
3.2	Symbols and abbreviations	9
4	Material	10
4.1	General	10
4.2	Utilisation of non-virgin material	10
4.3	Sealing ring retaining components	10
4.4	Sealing rings	10
4.5	Fused or welded joints	10
5	Designation of wall construction	10
6	Appearance and colour	10
6.1	Appearance	10
6.2	Colour	11
	Geometrical characteristics	11
	Types of fittings	11
8.1	General	11
8.2	Design length of fittings	14
	System performance related test methods and characteristics	14
10	Marking, general	16
10.1		16
10.2		16
	Size	16
Annex A (informative) Characteristics of PVC-U, PP and PE pipes and fittings		17
A.1	General	17
A.2 A.3	Material characteristics Chemical resistance	17 17
A.3 A.4	Abrasion resistance	18
A.5	Hydraulic roughness	18
	ex B (informative) Structural design	19
B.1	General	19
B.2	Structural design based on practical experience	19
B.3	Structural design based on a design calculations	21
B.4	Selection of fitting stiffness or class	21
Ann	ex C (informative) Designation of pipes and corresponding fittings	23
Annex D (informative) Guidance in cleaning plastics pipes		
D.1	Introduction	24
D.2	Cleaning and unblocking	24

D.2.1	Choosing the right equipment	24
D.2.2	Comparing techniques	24
D.3	Conclusions from independent jetting tests	25
D.3.1	Assessing efficiency and impact	25
D.3.2	Testing of plastic pipes	25
D.3.3	Clearing tests	25
D.4	Supplementary cleaning techniques	26
D.5	Recommended practice principles for jetting	26
Bibliography		