

DIN EN ISO 1452-2:2010-04 (E)

Plastics piping systems for water supply and for buried and above-ground drainage and sewerage under pressure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Pipes (ISO 1452-2:2009)

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms, definitions, symbols and abbreviated terms.....	6
4 Material	7
4.1 Pipe material.....	7
4.2 Density	7
4.3 MRS-value.....	7
5 General characteristics	7
5.1 Appearance	7
5.2 Colour	7
5.3 Opacity of pipes intended for the above-ground conveyance of water.....	7
6 Geometrical characteristics.....	7
6.1 Measurement of dimensions	7
6.2 Nominal outside diameters.....	7
6.3 Mean outside diameters and their tolerances	8
6.4 Wall thickness and their tolerances.....	9
6.5 Length of pipe	10
6.6 Pipes with sockets.....	11
6.7 Pipe ends for ring seal or solvent cement joints.....	15
7 Classification and selection of pipes	15
7.1 Classification.....	15
7.2 Selection of nominal pressure and pipe series S for water up to and including 25 °C.....	15
7.3 Determination of the allowable operating pressure for water up to 45 °C	15
8 Mechanical characteristics	15
8.1 Impact strength.....	15
8.2 Resistance to internal pressure	16
9 Physical characteristics.....	17
10 Sealing rings	18
11 Adhesives	18
12 Performance requirements	18
13 Marking	18
13.1 General.....	18
13.2 Minimum required marking.....	18
13.3 Additional marking	19
Annex A (normative) Allowable operating pressures	20
Annex B (normative) Imperial (inch)-sized pipes.....	22
Bibliography	27