

# 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