ISO 4437-2:2026-10 (E)

Plastics piping systems for the supply of gaseous fuels - Polyethylene (PE) - Part 2: Pipes

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2
3.1 Terms related to geometry 3
3.2 Terms related to material 4
3.3 Terms related to joints 5

4 Symbols and abbreviated terms 5
4.1 Symbols 5
4.2 Abbreviated terms 6

5 Material 6
5.1 Compound for pipes 6
5.2 Compound for identification stripes 7
5.3 External reworked material and recyclate 7

6 General characteristics 7
6.1 Appearance 7
6.2 Colour 7

7 Geometrical characteristics 7
7.1 Measurement of dimensions 7
7.2 Mean outside diameters, out-of-roundness (ovality) and tolerances 8
7.3 Wall thicknesses and related tolerances 9
7.3.1 Minimum wall thicknesses 9
7.3.2 Tolerance on the wall thicknesses 10
7.4 Coiled pipe 11
7.5 Lengths 11

8 Mechanical characteristics 11
8.1 Conditioning 11
8.2 Requirements 11

9 Physical characteristics 15
9.1 Conditioning 15
9.2 Requirements 15
9.3 Circumferential reversion of pipes with dn 250 mm 16

10 Performance requirements 16

11 Marking 16
11.1 General 16
11.2 Minimum required marking 16

Annex A (normative) Pipes with co-extruded layers 18

Annex B (normative) Pipes with peelable layer 20

Annex C (normative) Squeeze-off technique 22

Bibliography 23