DIN EN ISO 13479:2022-09 (E)

Polyolefin pipes for the conveyance of fluids - Determination of resistance to crack propagation - Test method for slow crack growth on notched pipes (ISO 13479:2022)

Contents

Page

European foreword 3

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5
3.1 Terms related to geometrical dimensions 5
3.2 Terms related to machining of notches 6

4 Symbols and abbreviation 7
4.1 Symbols 7
4.2 Abbreviated terms 7

5 Principle 7

6 Apparatus 8

7 Test piece preparation 8
7.1 General 8
7.2 Test pieces 9
7.3 Notch location and measurement of dimensions 9
7.4 Machining the notches 9
7.5 Number of test pieces 11

8 Conditioning 11

9 Procedure 11
9.1 Hydrostatic-pressure testing 11
9.2 Ligament thickness measurement after testing 11

10 Test report 12

Annex A (normative) Ligament thicknesses 14

Annex B (informative) Test-pressure levels for polyethylene 17

Annex C (informative) Recommended requirements for polyethylene 18

Annex D (normative) Test procedure for the accelerated notched pipe test (ANPT) for PE 100-RC pipes 19

Annex E (normative) Method of measuring notch radius 22

Bibliography 23