ISO 10471:2003-12 (E)

Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the long-term ultimate bending strain and t he long-term ultimate relative ring deflection under wet conditions

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 3

5 Apparatus 4
5.1 Compressive loading machine 4
5.2 Force application surfaces 4
5.3 Water container 5
5.4 Measuring devices 5

6 Test piece 6

7 Number of test pieces 6

8 Determination of the dimensions of the test piece 7
8.1 Length 7
8.2 Wall thickness 7
8.3 Mean diameter 7

9 Conditioning 7

10 Procedure 7

11 Calculation 8
11.1 Extrapolation of the strain data to obtain the x-year value, x, wet 8
11.2 Calculation of the long-term ultimate relative ring deflection under wet conditions, yu, wet, x/dm 8

12 Test report 8

Annex A (informative) Equal increments of lg(time in h) 10