

ISO 10471:2025-08 (E)

Glass-reinforced thermosetting plastics (GRP) pipes - Determination of the long-term ultimate bending strain and the 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	5
5.2.1	General arrangement	5
5.2.2	Plates	5
5.2.3	Beam bars	5
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 pieces	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, $y_{u,wet,x/dm}$	8
12	Test report	8
Annex A (informative)	Equal increments of \lg (time in h)	10