ISO 13431:2024-08 (E)

Geotextiles and geotextile -related products - Determination of tensile creep and creep rupture behaviour

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Specimens 3
4.1 Sampling 3
4.2 Number of specimens 3
4.3 Dimensions of specimens 3
4.4 Conditioning 4

5 Determination of tensile creep behaviour 4
5.1 Principle 4
5.2 Apparatus 4
5.2.1 General 4
5.2.2 Specimen grips 4
5.2.3 Loading system 5
5.2.4 Strain measuring system 5
5.3 Procedure 5
5.3.1 Tensile characteristics 5
5.3.2 Technically representative width 5
5.3.3 Test loads 5
5.3.4 Specimens preparation 6
5.3.5 Measurements 6

6 Determination of tensile creep rupture 6
6.1 Principle 6
6.2 Apparatus 6
6.2.1 General 6
6.2.2 Specimen grips 7
6.2.3 Loading system 7
6.2.4 Time recording system 7
6.3 Procedure 7
6.3.1 Wide-width tensile characteristics 7
6.3.2 Technically representative width 7
6.3.3 Load levels 7
6.3.4 Specimens preparation 8
6.3.5 Time recording 8
6.3.6 Graph 8

7 Calculations (for use of TRW specimens) 8
7.1 General 8
7.2 Example 1 8
7.3 Example 2 9

8 Test report 9