ISO 10319:2015-05 (E)

Geosynthetics - Wide-width tensile test

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Principle 4

5 Apparatus and reagents 5

6 Test specimens 5
6.1 Number of test specimens 5
6.2 Preparation of test specimens 6
6.3 Dimensions 6
6.3.1 Nonwoven geotextiles, knitted geotextiles, geonets, geomats, clay geosynthetic barriers, drainage composites, and other products 6
6.3.2 Woven geotextiles 6
6.3.3 Geogrids with one axis 6
6.3.4 Geogrids with two axes and four axes 6
6.3.5 Geogrids with three axes 7
6.3.6 Metallic geotextile related product 7
6.3.7 Testing wet specimen 10

7 Conditioning atmosphere 11
7.1 General 11
7.2 Conditioning for testing in wet condition 11

8 Test procedure 11
8.1 Setting up the tensile testing machine 11
8.2 Insertion of the test specimen in the jaws 11
8.3 Installation of the extensometer 12
8.4 Measurement of tensile properties 12
8.5 Measurement of strain 12

9 Calculations 13
9.1 Tensile strength 13
9.2 Tensile strain at tensile strength 13
9.3 Tensile strain at nominal tensile strength 13
9.4 Secant stiffness 14

10 Test report 14