DIN EN 13257:2016-12 (E)

Geotextiles and geotextile-related products - Characteristics required for use in solid waste disposals

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms, definitions and abbreviations 8
3.1 Terms and definitions 8
3.2 Abbreviations 8

4 Required characteristics and corresponding methods of test 8
4.1 General 8
4.2 Selection of the appropriate standard in a specific application 9
4.3 Characteristics relevant to specific conditions of use 12
4.3.1 Stiffness at 2 %, 5 % and 10 % 12
4.3.2 Tensile strength of seams and joints 12
4.3.3 Static puncture 12
4.3.4 Friction characteristics 12
4.3.5 Tensile creep 12
4.3.6 Resistance to damage during installation 12
4.3.7 Protection efficiency (EN 14574) 12
4.3.8 Water permeability normal to the plane 12
4.4 Release of dangerous substances 12

5 Assessment and verification of constancy of performance (AVCP) 13
5.1 General 13
5.2 Presentation of characteristics 13
5.3 Product type determination (PTD) 13
5.4 Factory production control (FPC) 14
5.5 Verification of values 14
5.6 Initial inspection of factory and of FPC 15
5.7 Continuous surveillance of FPC 15

6 Marking 15

Annex A (normative) Factory production control 16

A.1 Factory production control scheme 16
A.1.1 General 16
A.1.2 Product design 16
A.1.3 Production 16
A.1.4 Finished products 16
A.1.5 Provisions applicable to A.1.2, A.1.3 and A.1.4 (to be used where appropriate) 17
A.2 Assessment of a factory production control (FPC) system 18
A.2.1 General 18
A.2.2 Checklist 18
A.2.3 Test frequency 22

Annex B (normative) Durability aspects 23

B.1 General 23
B.1.1 Service life 23
B.1.2 Initial and repeat testing of durability 23
B.1.3 Use of rework material 23
B.2 Weathering (all products) 24
B.3 Products used in non-reinforcing applications and with service lives up to 5 years 24
B.4 Other applications and service lives up to 25 years, 50 years and 100 years 25
B.4.1 General 25
B.4.2 Tests for specific materials 25

Annex C (informative) Guidelines for the selection of the appropriate standard in a specific application 28

Annex D (informative) Significant technical changes to superseded editions of this standard 30

Annex ZA (informative) Clauses of this European Standard addressing the provisions of the EU Construction Products Regulation 31

ZA.1 Scope and relevant characteristics 31

ZA.2 Procedure for AVCP of Geotextiles and geotextiles-related products for the use in the construction of solid waste disposals 37

ZA.2.1 Systems of AVCP 37

ZA.2.2 Declaration of performance (DoP) 40

ZA.3 CE marking and labelling 45

Bibliography 46