DIN EN 16779-1:2019-08 (E)

Textile child care articles - Safety requirements and test methods for children's cot duvets - Par t 1: Duvet (excluding duvet covers)

Contents

Page

European foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 7

4 Requirements and test methods 9
4.1 Design characteristics (see A.2) 9
4.1.1 General 9
4.1.2 Cot duvet ensemble 9
4.1.3 Threads (including cot duvet seams) 9
4.1.4 Labels 10
4.1.5 Embellishments 10
4.1.6 Fabrics and filling materials 10
4.1.7 Slide fasteners 10
4.2 Mechanical and physical hazards (see A.3) 11
4.2.1 Entrapment of fingers and toes, ischemia 11
4.2.2 Small part aspiration or ingestion, internal asphyxiation (choking) 12
4.2.3 Cutting, puncture, abrasion 13
4.3 Chemical hazards (see A.4) 13
4.3.1 Migration of certain substances 13
4.3.2 Formaldehyde 14
4.3.3 Flame retardants 14
4.4 Thermal hazards - hypothermia and hyperthermia (see A.5) 15
4.4.1 General 15
4.4.2 Requirements 15
4.4.3 Test method 15
4.5 Fire hazards (see A.6) 15
4.6 Hygiene hazards (see A.7) 15
4.6.1 Requirements and methods 15

5 User information 16
5.1 General 16
5.2 Marking 16
5.3 Purchase information 17
5.4 Instruction for use 17
5.5 Plastic packaging 18

Annex A (informative) Rationale 19

A.1 General 19
A.2 Design hazards 19
A.3 Mechanical and physical hazards 21
A.3.1 Hazards of entrapment of fingers and toes, ischemia 21
A.3.2 Hazards of strangulation 21

A.3.3 Hazards of internal asphyxiation (choking) by aspiration, or ingestion of small parts 21

A.3.4 Hazards of external asphyxiation (suffocation) 22
A.3.5 Hazards of cutting, puncture, abrasion 22
A.4 Chemical hazards 22
A.4.1 Hazards related to harmful substances 22
A.4.2 Hazards related to migration of certain substances 23
A.4.3 Hazards related to formaldehyde 23
A.5 Thermal hazards (Hyperthermia and hypothermia) 23
A.6 Fire hazards 24
A.7 Hygiene hazards 24
A.7.1 Washable (see 4.6.1.1) 24
A.7.2 Clean and free from infestation and foreign materials (see 4.6.1.2) 24
A.7.3 Feather filled products (see 4.6.1.3) 24
A.7.4 Used recycled fibres (see 4.6.1.4) 25

Annex B (informative) Supplementary information on thermal hazards 26

B.1 Background information 26
B.2 Thermal resistance measurement 26
B.3 Rationale for guidance to the purchaser and/or user 27
B.4 Relationship between thermal resistance and thickness or mass per unit area (surface density) 28

Annex C (informative) Specific marking, purchase information and user instruction 30

Annex D (informative) Guidance for the cot duvet dimensions 31

Annex E (informative) Topics for further investigations 32

E.1 Thermal comfort 32
E.2 Cot duvet characteristics 32

Annex F (informative) A-deviations 33

Bibliography 34