

# DIN EN 16780:2019-08 (E)

## Textile child care articles - Safety requirements and test methods for children's cot bumpers

---

<b>Contents</b>		<b>Page</b>
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	Fabrics and filling materials .....	9
4.1.3	Functional cords .....	9
4.1.4	Slide fasteners .....	9
4.1.5	Touch and close fasteners .....	10
4.1.6	Threads (including cot bumpers seams) .....	10
4.1.7	Labels .....	11
4.1.8	Embellishments .....	11
4.1.9	Suction cups .....	11
4.1.10	Magnetic components .....	11
4.2	Mechanical and physical hazards .....	11
4.2.1	Entrapment of fingers and toes, ischemia .....	11
4.2.2	Strangulation .....	12
4.2.3	Small part aspiration or ingestion, internal asphyxiation (choking) .....	12
4.2.4	Cutting, puncture, abrasion .....	14
4.3	Chemical hazards (see A.4) .....	14
4.3.1	Migration of certain substances .....	14
4.3.2	Formaldehyde .....	15
4.3.3	Flame retardants .....	15
4.4	Fire hazards (see A.5) .....	15
4.5	Hygiene hazards (see A.6) .....	15
4.5.1	Requirements and methods .....	15
5	User information .....	16
5.1	General .....	16
5.2	Marking .....	16
5.3	Purchase information .....	16
5.4	Instructions for use .....	17
5.5	Plastic packaging .....	17
Annex A (informative) Rationale .....		18
A.1	General .....	18
A.2	Design hazards .....	18
A.3	Mechanical and physical hazards .....	20
A.3.1	Hazards of entrapment of fingers and toes, ischemia .....	20
A.3.2	Hazards of strangulation .....	20
A.3.3	Hazards of internal asphyxiation (choking) by aspiration or ingestion of small parts .....	20

A.3.4	Hazards of external asphyxiation (suffocation) .....	21
A.3.5	Hazards of cutting, puncture, abrasion .....	21
A.4	Chemical hazards .....	22
A.4.1	Hazards related to harmful substances .....	22
A.4.2	Harms related to migration of certain substances .....	22
A.4.3	Harms related to formaldehyde .....	22
A.5	Fire hazards .....	23
A.6	Hygiene hazards .....	23
A.6.1	Washable (see 4.5.1.1) .....	23
A.6.2	Clean and free from infestation and foreign materials (see 4.5.1.2) .....	23
A.6.3	Feather filled products (see 4.5.1.3) .....	23
A.6.4	Used recycled fibres (see 4.5.1.4) .....	24
Annex B (informative) Specific marking, purchase information and user instruction .....		25
Annex C (informative) Topics for further investigations .....		26
C.1	Cot bumpers profile .....	26
C.2	Use of feathers and down .....	26
C.3	US Consumer Product Safety Commission (CPSC) .....	26
Bibliography .....		27