DIN EN 16120:2017-03 (E)

Child use and care articles - Chair mounted seat (includes Amendment :2016)

Contents

Page

European foreword ... 4

1 Scope ... 5

2 Normative references ... 5

3 Terms and definitions ... 5

4 Test equipment ... 6
4.1 Test probes for finger entrapment ... 6
4.2 Test mass A ... 6
4.3 Test foam ... 7
4.4 Small parts cylinder ... 7
4.5 Feeler gauge ... 7
4.6 Small torso probe ... 8
4.7 Test beam ... 8
4.8 Test sphere ... 8

5 General ... 8
5.1 Product conditioning ... 8
5.2 Test conditions ... 8
5.3 Application of forces ... 8
5.4 Tolerances ... 8
5.5 Order of test ... 9

6 Chemical hazards - Migration of certain elements (see A.2) ... 9

7 Thermal hazards (see A.3) ... 10
7.1 Requirements ... 10
7.2 Test method ... 10

8 Mechanical hazards (see A.4) ... 10
8.1 Hazards due to height adjustment or folding of the product ... 10
8.1.1 General ... 10
8.1.2 Unintentional release of locking mechanism(s) ... 10
8.1.3 Test method for the durability of the locking mechanisms ... 11
8.2 Entrapment hazards (see A.4.1) ... 11
8.2.1 Entrapment of fingers ... 11
8.2.2 Entrapment of head ... 11
8.3 Hazards due to moving parts (see A.4.2) ... 12
8.3.1 Requirements for compression points ... 12
8.3.2 Requirements for shear points ... 12
8.4 Entanglement hazards (see A.4.3) ... 12
8.4.1 Requirements ... 12
8.4.2 Test method ... 12
8.5 Choking and ingestion hazards (see A.4.4) ... 13
8.5.1 Requirements ... 13
8.5.2 Test methods ... 13
8.6 Suffocation hazards (see A.4.5) ... 14
8.6.1 Plastic packaging ... 14
8.6.2 Plastic decals ... 14

8.7 Hazardous edges, corners and protruding parts (see A.4.6) **14**
8.8 Hazards from inadequate structural integrity (see A.4.7) **14**
8.8.1 Static strength **14**
8.8.2 Dynamic strength **15**
8.9 [A2] Hazards from falling [A2] **15**
[A2] 8.9.1 [A2] Chair attachment systems **15**
[A2] 8.9.2 [A2] Restraint system **16**
[A2] 8.9.3 Lateral protections (see A.4.8.1) [A2] **17**
[A2] 8.9.4 Hazards due to inadequate size (see A.4.8.2) [A2] **19**

9 Product information **23**
9.1 General **23**
9.2 [A2] Marking [A2] **23**
9.2.1 Requirements **23**
9.2.2 Durability of marking **24**
9.2.3 Test method for durability of marking **24**
9.3 Purchase information **24**
9.4 Instructions for use **25**

Annex A (informative) **Rationales** **27**
A.1 Introduction **27**
A.2 Chemical hazards (see Clause 6) **27**
A.3 Thermal hazards (see Clause 7) **27**
A.4 Mechanical hazards (see Clause 8) **27**
A.4.1 Entrapment hazards (see 8.2) **27**
A.4.2 Hazards due to moving parts (see 8.3) **27**
A.4.3 Entanglement hazards (see 8.4) **28**
A.4.4 Choking and ingestion hazards (see 8.5) **28**
A.4.5 Suffocation hazards (see 8.6) **28**
A.4.6 Hazardous edges, corners and protruding parts (see 8.7) **28**
A.4.7 Hazards from inadequate structural integrity (see 8.8) **28**
A.4.8 Hazards from falling (see 8.9) **28**

[A1] Annex B (informative) **[A1] A-deviation** **30**

[A2] Annex C [A2] (normative) **Warnings** **31**

Bibliography **41**