

DIN EN 1272:2017-08 (E)

Child care articles - Table mounted chairs - Safety requirements and test methods

Contents		Page
European foreword		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Test equipment	7
4.1	Test probes for finger entrapment	7
Figure 1 -- Test probes with hemispherical end		7
Figure 2 -- Test probe for mesh with hemispherical end		8
4.2	Test masses	8
4.2.1	Test mass A	8
Figure 3 -- Test mass A		8
4.2.2	Test mass B	9
Figure 4 -- Test mass B		9
4.2.3	Test mass C	9
Figure 5 -- Test mass C		10
4.3	Small torso probe	10
Figure 6 -- Small torso probe		10
4.4	Test foam	11
4.5	Small parts cylinder	11
Figure 7 -- Small parts cylinder		11
4.6	Feeler gauge	11
Figure 8 -- Feeler gauge		11
4.7	Test surface	12
4.8	Loading pad	12
4.9	Bouncing test machine	12
4.10	Test bar	12
5	General	12
5.1	General requirements	12
5.2	Product conditioning	12
5.3	Test conditions	12
5.4	Application of forces	13
5.5	Tolerances	13
5.6	Order of test	13
6	Chemical hazards	13
6.1	General	13
6.2	Migration of certain elements (see A.2)	13
Table 1 -- Limits for heavy metals migration		13

6.3	Formaldehyde (see A.2)	14
6.4	Colorants and primary aromatic amines (see A.2)	14
Table 2 -- Colourants limits		15
Table 3 -- Primary aromatic amines limits		15
7	Thermal hazards (see A.3)	15
7.1	Requirement	15
7.2	Test method	16
8	Mechanical hazards (see A.4)	16
8.1	Hazards due to folding or dismantling of the product	16
8.1.1	General	16
8.1.2	Removable seat unit	16
8.2	Entrapment hazards (see A.4.1)	16
8.2.1	Entrapment of fingers	16
8.2.2	Entrapment of head	17
8.3	Hazards due to moving parts (see A.4.2)	17
8.3.1	Requirements for compression points	17
8.3.2	Requirements for shear points	17
8.4	Entanglement hazards (see A.4.3)	18
8.4.1	Requirements	18
Figure 9 -- Examples of measuring cords, ribbons or similar parts		18
8.4.2	Test method	18
8.5	Choking and ingestion hazards (see A.4.4)	19
8.5.1	Requirements	19
8.5.2	Test methods	19
8.6	Suffocation hazards (see A.4.5)	20
8.6.1	Plastic packaging - Requirement	20
8.6.2	Plastic decals	20
8.7	Hazardous edges, corners and protruding parts (see A.4.6)	20
8.8	Hazards from inadequate structural integrity (see A.4.7)	20
8.8.1	Static strength	20
8.8.2	Dynamic strength	21
8.8.3	Slippage of anchoring supports	21
Figure 10 -- Test method for anchoring support		22
8.8.4	Bouncing performance	22
8.9	Hazards due to falling	23
8.9.1	Footrests	23
8.9.2	Restraint system	23
8.9.3	Lateral protection and backrest height	24
Figure 11 -- Measurement of lateral protection and backrest height		24
9	Product information	25
9.1	General	25
9.2	Marking of the product	25
9.2.1	Requirements	25
9.2.2	Durability of marking	25
9.2.3	Test method for durability of marking	25
9.3	Purchase information	25
Figure 12 -- Symbol for age and weight range		26
9.4	Instructions for use	26
Annex A (informative) Rationales		28
A.1	Introduction	28
A.2	Chemical hazards (see Clause 6)	28

A.3	Thermal hazards (see Clause 7)	28
A.4	Mechanical hazards (see Clause 8)	28
A.4.1	Entrapment hazards (8.2)	28
A.4.2	Hazards due to moving parts (8.3)	29
A.4.3	Entanglement hazards (8.4)	29
A.4.4	Choking and ingestion hazards (8.5)	29
A.4.5	Suffocation hazards (8.6)	29
A.4.6	Hazardous edges, corners and protruding parts (8.7)	29
A.4.7	Hazards from inadequate structural integrity (8.8)	29
A.4.8	Hazards due to falling (8.9)	29
Annex B (normative) Warnings		30
Table B.1 -- Translation of warning phrases		30
Annex C (informative) A-deviations		35